

Final Project 2

PMG 497

Project Template

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Project title

Is remote work a blessing or a curse?

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I ask God Almighty for success and guidance.

Dedication

To my beloved family and friends, whose unwavering support, encouragement, and belief in me have been instrumental in bringing this project to fruition. Their love and guidance have been invaluable throughout this journey. I am eternally grateful for their presence in my life and for their unwavering support in helping me achieve my goals.

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Abstract

The Long-Term Effects of Remote Work on Employee Well-Being and Career Development

Remote work, where employees work from locations outside traditional offices, has become increasingly popular due to advancements in technology. While the short-term benefits of remote work are documented, there is a lack of research on its long-term consequences for employee well-being and career development. This study aims to explore the real effects of working remotely on employees in the long term.

Through a correlational survey, the research examines the relationship between the number of hours spent working remotely and various aspects of employee well-being and career development, including job satisfaction, mental health, and perceived work-life balance. The study focuses specifically on remote workers in the IT industry within KSA. By investigating these factors, the research seeks to address the following questions:

* How does remote work impact employees' mental health and well-being over time?

- * To what extent does remote work contribute to or hinder employees' career development?
- * What are the most effective strategies for organizations to support employee well-being in remote work environments?

Understanding the long-term effects of remote work on employees is crucial for both individuals and organizations. This research will contribute valuable insights to promote a future of work that is both fulfilling and sustainable.

****Keywords:** Remote work, long-term effects, employee well-being, career development, IT industry, KSA**

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1.Chapter 1: Introduction

1.1. Research Background

Is remote work a blessing or a curse?

remote work is when people work from a location other than a traditional office, usually their home. They use technology like computers, phones, and the internet to connect with their workplace and complete their job duties.¹

Telecommuting started gaining popularity in the 1970s and 1980s due to advancements in technology, like personal computers and the internet. However, it wasn't until the widespread adoption of broadband internet in the late 1990s and early 2000s that telecommuting became a viable option for many people.

COVID-19 had a huge impact on the increase of remote work.

Before the pandemic, telecommuting was becoming more common, but it wasn't as widespread as it is now. When COVID-19 happened, many businesses had to close their offices to keep people safe. This forced companies to quickly adapt and allow their employees to work from home.

¹Al-Habaibeh, A., Watkins, M., Waried, K., & Bathaei Javareshk, M. (2021). Challenges and opportunities of remotely working from home during Covid-19 pandemic. Product Innovation Centre, Nottingham Trent University..

Because of this sudden shift, remote work became the norm for many people. Even after the worst of the pandemic passed, many companies realized that remote work could be beneficial, so they continued to offer it as an option.²

Remote work offers many benefits. Flexible work hours and no commute time can improve physical and mental health. Working from home without distractions can boost productivity. Remote workers often have more control over their work, leading to job satisfaction. Plus, they can save money on transportation, childcare, and clothes!

Remote work offers numerous advantages for employers. By providing flexible work options, companies can attract and keep top talent, leading to increased employee satisfaction and loyalty, ultimately reducing turnover. Additionally, remote work cuts overhead costs associated with office space, utilities, and equipment. Expanding the talent pool to include remote workers from various locations opens up new opportunities for businesses.³

While remote work offers flexibility and independence, it also presents some challenges that can affect how well employees do their jobs and how they feel. Being far away from coworkers can lead to loneliness and less teamwork. It can be hard to separate work and personal life, which can cause stress and burnout. People might feel less connected to their company and think about quitting their jobs. Technical problems with computers and the internet can make it hard to get work done. And without

² Lal, B., Dwivedi, Y. K., & Haag, M. (2021, August 27). Working from Home During Covid-19: Doing and Managing Technology-enabled Social Interaction With Colleagues at a Distance.

³ Hickman, A., & Robison, J. (2020, January 24). Is working remotely effective? Gallup research says yes. Workplace.

a boss watching over them, some people might not work as hard or do their jobs as well.⁴

Hickman, A., & Robison, J. (2020, January 24). Is working remotely effective? Gallup research says yes. *Workplace*.

People are working from home more and more. This makes employees happier and more productive. Companies can save money and be better for the environment.

Al-Habaibeh, A., Watkins, M., Waried, K., & Bathaei Javareshk, M. (2021). Challenges and opportunities of remotely working from home during Covid-19 pandemic. *Product Innovation Centre, Nottingham Trent University*.

Initial Experiences with Remote Work

Before the COVID-19 pandemic, many people were unfamiliar with working from home. While some had previous experience, the majority of participants hadn't worked remotely. However, the use of online meeting tools like MS Teams skyrocketed during the pandemic, becoming essential for communication and collaboration.

Attitudes Towards Remote Work

Despite the challenges, most people believed that working from home could be just as effective as working in an office. This suggests that remote work has the potential to be a viable long-term option for many.

⁴ The impact of time spent working from home on affective commitment in the - workplace: The mediating role of social relationships and collective aims A. Simon, Gabor Aranyi, K. Faragó+2 more · 13 January 2023"

Challenges of Remote Work

Adjusting to working from home wasn't easy for everyone. Many people struggled with the lack of face-to-face interaction, finding it difficult to maintain social connections with colleagues. Additionally, challenges like balancing work and personal life, creating a suitable workspace, and managing distractions at home were common hurdles.

As we see, most studies focus on the short term. There is no study that has examined the impact on the employee in the long term and the impact of working online on his social and health life and the development of his social skills.

For entrepreneurs , investing in employee well-being is not merely a philanthropic endeavor but a strategic business decision. By prioritizing employee satisfaction, companies can cultivate a more productive, innovative, and resilient workforce. A positive work environment leads to increased employee morale, reduced turnover, and enhanced company reputation. Furthermore, it can contribute to significant cost savings through improved employee health and reduced absenteeism.

Employees stand to benefit immensely from a positive work environment. A supportive workplace fosters improved mental and physical health, heightened job satisfaction, and a better work-life balance. When employees feel valued and appreciated, they are more likely to be engaged, motivated, and committed to their roles.

From a research perspective , the emergence of remote work presents a rich landscape for exploration. Unraveling the long-term implications of remote work on employee well-being, productivity, and job satisfaction is crucial for understanding the future of work. By investigating the factors that contribute to positive employee experiences in remote settings, researchers can provide valuable insights for both organizations and individuals.

This comprehensive overview underscores the interconnectedness of employee well-being, organizational success, and the broader societal implications of remote work. A deeper understanding of these dynamics is essential for creating a future where work is both fulfilling and sustainable.

1.2. Research Problem

Working from home allows the employee to choose times that suit him to work, but does this affect the employee's love of work and make him unclear at work and his colleagues who work from the office appear more clearly? Or does it provide him with an opportunity for excellence and creativity? Did flexible working hours make the employee not adhere to fixed sleep times, which negatively affected his health, or did it make his day more effective?

1.2.1. Theoretical Gaps

Lack of comprehensive theoretical frameworks:

- **What does this mean?** It means that there isn't a clear, big picture explanation for how remote work affects people over a long time.
- **Example:** We might know that remote work can lead to more flexibility, but we don't fully understand how this flexibility influences an employee's overall job satisfaction and well-being in the long run.

Inconsistent findings:

- **What does this mean?** Different studies have found different results about remote work.
- **Example:** Some studies say remote work increases productivity, while others say it decreases it. This makes it hard to know what to believe.

1.2.2. Practical Gaps

Experimental studies have examined the impact of remote work on employees, but there is no study that focused on all aspects. While some studies focused on job performance only, others focused on the social life of the employee only, which created a gap in the literature that needs to be addressed.

Main research question:

Does working remotely for long periods make the employee's life better in the long run in all aspects, whether functional or social, or does it make it worse?

1.2.3. At the theoretical level

2. Theoretically, this research contributes to the emerging body of knowledge on the long-term implications of remote work. By examining the multifaceted effects of remote work on employees, this study challenges existing assumptions and offers new perspectives on work-life balance, job satisfaction, and employee well-being. Furthermore, the findings may lead to the development of more comprehensive theoretical frameworks that explain the complex interplay between individual, organizational, and technological factors in remote work environments.

2.1.1.At the practical level

3. This research holds significant practical implications for various stakeholders. For employees , the findings will shed light on the long-term effects of remote work on their well-being, work-life balance, and career progression. This knowledge can empower employees to make informed decisions about their work arrangements and advocate for supportive workplace policies.
4. For employers , the study will provide valuable insights into optimizing remote work environments. By understanding the challenges and opportunities associated with remote work, organizations can implement strategies to enhance employee satisfaction, productivity, and retention.
5. Moreover, policymakers can leverage the research to develop effective regulations and support systems for remote workers. For instance, policies related to labor rights, health and safety, and equal opportunities can be informed by the findings.

5.1. Research Questions

- How does remote work impact employees' mental health and well-being over time?
- To what extent does remote work contribute to or hinder employees' career development?
- What are the most effective strategies for organizations to support employee well-being in remote work environments?

5.2. Research Objectives

- Determine the real effects of working remotely from home on the employee in the long term
- What is the ideal work environment for remote work?

5.3. Research Hypotheses

- Hypothesis 1:
If employees work remotely for extended periods, then their overall job satisfaction will decrease due to factors such as decreased social interaction and work-life imbalance.
- Hypothesis 2:
If employees have access to adequate technology and support, then they will experience higher levels of job satisfaction and productivity while working remotely.

5.4. Research Model

Correlational

Data Collection Method: Survey

A survey will be used to gather data from a sample of remote workers. The survey will include questions about:

Demographics (age, gender, occupation, industry)

Number of hours spent working remotely

Frequency of use of different communication tools

Perceptions of job satisfaction

Feelings of isolation

Data Analysis: Statistical Analysis

Correlational analysis will be used to determine the strength and direction of relationships between variables. Statistical software (like SPSS or R) will be used to calculate correlation coefficients.

Sample: Remote Workers

A sample of remote workers from various industries will be selected to ensure the representativeness of the study.

Ethical Considerations:

1. Informed Consent

- **Explain the study clearly:** Tell people what the research is about in a way they can understand.
- **Get permission:** People should agree to be part of the study after knowing all the details.

2. Confidentiality

- **Keep information private:** Protect people's personal information.

- **Don't share details:** Only use information for the research and don't tell others about specific people.

3. Voluntary Participation

- **No pressure:** People should choose to be in the study without feeling forced.
- **Right to quit:** People can stop being part of the study at any time.

4. Minimize Harm

- **Protect people:** Make sure the research doesn't hurt anyone physically or emotionally.
- **Be careful with questions:** Avoid asking questions that could upset people.

5. Accuracy and Honesty

- **Tell the truth:** Report research results honestly and accurately.
- **Don't make things up:** Be truthful about the research process.

5.5. Scope of The Study

The scope of this study is to investigate the relationship between the number of hours spent working remotely and job satisfaction among full-time employees in the IT industry within KSA. The study will be conducted over a period of two years, from 2020 to 2022, and will involve collecting data from a sample of remote workers through an online survey.

5.6. The Project Structure

Introduction

Research Background:

Remote work's rise and impact due to COVID-19.

Research Problem:

Lack of research on the long-term effects of remote work.

Importance of understanding these effects for employees and organizations.

Research Questions:

Specific questions about mental health, career development, and supporting employee well-being.

Research Objectives:

Goals of determining the real effects of remote work and identifying an ideal work environment.

Research Hypotheses:

Proposed hypotheses about job satisfaction and remote work.

Literature Review

Previous Work:

Summary of existing research on remote work, including studies on social interaction, employee commitment, and health/job satisfaction.

Independent and Dependent Variables:

Identification of key variables: remote work hours and dependent variables like job satisfaction, work-life balance, etc.

Relationship Between Variables:

Discussion of potential positive and negative relationships between the variables.

Methodology

Research Design:

Correlational study to examine the relationship between remote work hours and job satisfaction.

Data Collection:

Survey used to collect data from remote workers in the IT industry within KSA.

Data Analysis:

Statistical analysis using correlation coefficients.

Ethical Considerations:

Adherence to ethical principles for conducting research.

Scope of the Study:

Focus on full-time IT employees in KSA, data collected between 2020-2022.

Results

Survey Findings:

Summary of key findings from the survey, including remote work hours, relationships with colleagues, daily routine, social life, job satisfaction, and the impact of remote work on social life.

Analysis of Findings:

Interpretation of the results and identification of significant insights, such as social isolation, work-life balance challenges, and the impact on social life.

Addressing Research Questions:

Explanation of how the findings address the research questions posed at the beginning of the study.

Discussion

Implications of Findings: Discussion of the implications of the findings for employees, organizations, and policymakers.

Limitations:

Acknowledgment of potential limitations of the study, such as sample size or self-report bias.

Future Research:

Suggestions for future research directions to address unanswered questions or explore other aspects of remote work.

6. Chapter 2: Literature Review

6.1. Introduction

Previous work that dealt with the impact of post-work varied. Some work paid attention, including the companies that provided it with money, when the staff works from home. Some research paid attention to the quality of the work that employees perform and other things, but what about the experience in involving all participants together to see a comprehensive look at Al-Baadi let a permanent employee receive money without the need for him to leave the house and replace him with more money than he did by paying this money through private means and his social relationships, so he finds himself adopting a short night out, personal relationships, and he has no co-workers.

Let's review some of these studies together:

- 1- "The impact of time spent working from home on affective commitment in the -workplace: The mediating role of social relationships and collective aims A. Simon, Gabor Aranyi, K. Faragó+2 more · 13 January 2023 "

Abstract of the research :

Introduction Working from home has become increasingly prevalent due to the COVID-19 pandemic, creating new challenges for organizations and employees. According to the latent deprivation model proposed by Jahoda, work provides latent benefits alongside its material rewards, and losing such benefits leads to a decline in well-being. Organizational affective commitment, or affective commitment within the organization, is a prominent concept in organizational psychology that is linked to lower workforce fluctuation and increased work performance. The present research examined the impact of time spent working from home on affective commitment by examining Jahoda's "latent functions," including social contact and collective purpose, representing an innovative application of the latent deprivation model in the context of home office.

Methods Using an online questionnaire, we collected data from 456 participants (239 female and 217 male) who had been employed for at least 2 years and who had spent a proportion of their time working from home in March and April 2021. The data were analyzed using a path model, in which the potential adverse effect of time spent in home office on

affective commitment to the workplace was mitigated by latent functions. Results Specifically, we found that more time spent in home office was associated with a decrease in social contact, the impact of which on affective commitment was mediated through the perception of collective purpose. Discussion Our findings emphasize the role of the latent benefits of work experienced by employees even when working from home, and the role of those benefits in supporting employees' commitment to the workplace. We argue that a deeper understanding of such factors is vital, as working from home is expected to remain widespread even after the pandemic.

- 2- Lal, B., Dwivedi, Y. K., & Haag, M. (2021, August 27). Working from Home During Covid-19: Doing and Managing Technology-enabled Social Interaction With Colleagues at a Distance.

Abstract

With the overnight growth in Working from Home (WFH) owing to the pandemic, organisations and their employees have had to adapt work-related processes and practices quickly with a huge reliance upon technology. Everyday activities such as social interactions with colleagues must therefore be reconsidered. Existing literature emphasises that social interactions, typically conducted in the traditional workplace, are a fundamental feature of social life and shape employees' experience of work. This experience is completely removed for many employees due to the pandemic and, presently, there is a lack of knowledge on how individuals maintain social interactions with colleagues via technology when working from home. Given that a lack of social interaction can lead to social isolation and other negative repercussions, this study aims to contribute to the existing body of literature on remote working by highlighting employees' experiences and practices around social interaction with colleagues. This study takes an interpretivist and qualitative approach utilising the diary-keeping technique to collect data from twenty-nine individuals who had started to work from home on a full-time basis as a result of the pandemic. The study explores how participants conduct social interactions using different technology platforms and how such interactions are embedded in their working lives. The

findings highlight the difficulty in maintaining social interactions via technology such as the absence of cues and emotional intelligence, as well as highlighting numerous other factors such as job uncertainty, increased workloads and heavy usage of technology that affect their work lives. The study also highlights that despite the negative experiences relating to working from home, some participants are apprehensive about returning to work in the traditional office place where social interactions may actually be perceived as a distraction. The main contribution of our study is to highlight that a variety of perceptions and feelings of how work has changed via an increased use of digital media while working from home exists and that organisations need to be aware of these differences so that they can be managed in a contextualised manner, thus increasing both the efficiency and effectiveness of working from home.

- 3- Niebuhr, F., Borle, P., Börner-Zobel, F., & [Last name of fourth author]. (2022, January 20). Healthy and Happy Working from Home? Effects of Working from Home on Employee Health and Job Satisfaction.

Abstract

In addition to its catastrophic health effects, the COVID-19 pandemic also acts as a catalyst for new forms of work. Working from home (WFH) has become commonplace for many people worldwide. But under what circumstances is WFH beneficial and when does it increase harms to health? The aim of this study was to investigate the influence of specific characteristics of WFH for health (work ability, stress-related physical and psychological symptoms) and job satisfaction among German employees. The study is based on data from a Germany-wide panel survey with employees from different industries (n = 519). Using multiple regressions, it was found that the functionality of the technical equipment at home has positive effects on the health of employees (i.e., ability to work, stress-related symptoms) and job satisfaction. The percentual weekly amount of WFH influences stress-related symptoms, i.e., a higher amount of weekly working time WFH, was associated with more stress-related

symptoms. Furthermore, it negatively influences job satisfaction. The feeling of increased autonomy leads to positive effects on employees' job satisfaction. The results provide starting points for interventions and indicate the need for legal regulations for WFH. Further theoretical and practical implications are discussed.

6.2. The independent variable

The independent variable is the factor that manipulate or control in OUR research. It's the variable that WE believe has an effect on the dependent variable. In the context of remote work, the independent variable will be:

- ✚ Number of hours spent working remotely
- ✚ Type of communication tools used
- ✚ Job role or industry

6.3. The dependent variable

- ✚ The dependent variable is what we measure or observe in our research.
- ✚ It's the outcome or effect that you're trying to study.
- ✚ In the context of remote work, the dependent variable will be:
 - ✚ Job satisfaction
 - ✚ Productivity
 - ✚ Work-life balance
 - ✚ Employee turnover

6.4. The relationship between the independent and the dependent variables

The relationship between them is close, some of which are direct and some of which are inverse. Certainly, if the number of daily working hours increases significantly, this will put pressure on the worker and make him feel that he is not living his life and that his entire day is wasted on his work. On the other hand, the working hours should not be short either because this may create a feeling of neglect that does not... The benefit of its existence is in addition to the fact that all non-independent variables are only results of changing the independent variables

6.5. Conclusion

In conclusion, this study aims to investigate the long-term effects of remote work on employee well-being and job satisfaction. Utilizing a correlational design, the research will explore the relationship between the number of hours spent working remotely and various dependent variables, including job satisfaction, work-life balance, and mental health. By examining these connections, the study seeks to contribute to the theoretical understanding of remote work's impact on individuals. Furthermore, the findings can benefit employees, organizations, and policymakers by providing insights for optimizing remote work arrangements and ensuring employee well-being in the long term. Future research could explore the influence of specific remote work practices, cultural contexts, and individual personalities on these outcomes.

7.Chapter 3: Research Methodology

7.1. Introduction

This section provides an overview of the research methodology used in the study. It outlines the research design, data collection methods, sampling techniques, data analysis procedures, and ethical considerations.

7.2. Operational definitions for research variables

Remote Working Hours:

The total number of hours per week spent working remotely, excluding breaks and non-work-related activities.

 Job Satisfaction: A composite score calculated from responses to standardized job satisfaction scales, such as the Minnesota Satisfaction Questionnaire (MSQ) or the Job Satisfaction Survey (JSS).

 Mental Health and Well-being: A composite score calculated from responses to validated mental health scales, such as the Depression, Anxiety, and Stress Scale (DASS-21) or the General Health Questionnaire (GHQ-12).

✚ Social Isolation: A composite score calculated from responses to questions assessing the frequency and quality of social interactions with colleagues, both online and in-person.

7.3. Research design (research onion)

Correlational Design with Qualitative Insights

To gain a comprehensive understanding of the relationship between remote work hours and various outcomes, we will employ a mixed-methods approach. This approach combines quantitative and qualitative methods to provide a more holistic view of the research problem.

Quantitative Component:

Correlational Analysis: We will use correlational analysis to examine the relationships between remote work hours and variables such as job satisfaction, mental health, and career development. This will help us identify patterns and associations between these variables.

Regression Analysis:

To further explore the causal relationships, we will employ regression analysis to examine the impact of remote work hours on dependent variables, while controlling for other relevant factors.

Qualitative Component:

Semi-structured Interviews: We will conduct in-depth interviews with a sample of remote workers to gain a deeper understanding of their experiences, challenges, and perceptions of remote work.

Thematic Analysis:

The interview data will be analyzed using thematic analysis to identify key themes and patterns.

By combining these quantitative and qualitative methods, we aim to:

1. Identify significant correlations:

Determine the strength and direction of the relationships between remote work hours and various outcomes.

2. Explore causal relationships:

Gain insights into the underlying mechanisms that drive these relationships.

3. Understand the lived experiences of remote workers:

Gain a rich and nuanced understanding of the challenges and benefits of remote work from the perspective of the individuals themselves.

This mixed-methods approach will provide a more robust and comprehensive understanding of the complex relationship between remote work and employee well-being.

7.4. Research Population & Sampling Methods

Target Population:

The target population for this study comprises full-time IT employees working remotely in the Kingdom of Saudi Arabia (KSA).

Sampling Method:

To ensure the selection of a representative sample, a probability sampling method will be employed. This may include techniques such as simple random sampling or stratified sampling.

Sample Size:

A sample size of 200 participants will be selected from a diverse range of companies and freelancers operating within KSA. This sample size is determined to provide adequate statistical power and generalizability of the findings.

Sampling Procedure:

Simple Random Sampling:

Each individual in the target population will have an equal chance of being selected, ensuring unbiased representation.

Stratified Sampling: If the IT industry in KSA exhibits distinct subgroups (such as based on company size, job roles, or experience levels), these strata will be identified and sampled proportionally to ensure adequate representation from each subgroup.

Inclusion Criteria:

Full-time employees in the IT sector.

Currently working remotely.

Located in the Kingdom of Saudi Arabia.

Exclusion Criteria:

Part-time employees.

Employees not working remotely.

Individuals outside the specified geographic location.

Data Collection:

Data will be collected through surveys, interviews, or a combination of methods to gather insights on the long-term effects of remote work on employee well-being and career development among the selected sample.

7.5. Data Collection Method

Survey Method:

An online survey will be the primary data collection method utilized to gather information from a sample of remote IT workers in the Kingdom of Saudi Arabia (KSA). The online survey platform will facilitate the efficient distribution and collection of responses from participants.

Survey Instrument:

The survey questionnaire will include a series of structured questions designed to capture data related to the operational definitions of the research variables. These questions will be formulated based on the research objectives, hypotheses, and theoretical framework established in the study.

Operational Definitions:

Operational definitions will be clearly outlined within the survey instrument to ensure that respondents understand the specific concepts being measured. These definitions will provide clarity and consistency in the interpretation of survey items related to employee well-being, career development, job satisfaction, mental health, and work-life balance.

Survey Administration:

Distribution: The survey link will be shared with the selected sample of remote IT workers via email or other digital communication channels.

Anonymity: Participants will be assured of the anonymity and confidentiality of their responses to encourage honest feedback.

Response Deadline: A specified deadline will be set for participants to complete the survey to ensure timely data collection.

Pilot Testing:

Prior to the full-scale survey deployment, a pilot test will be conducted with a small group of participants to assess the clarity, relevance, and effectiveness of the survey questions. Feedback from the pilot test will inform any necessary revisions to the questionnaire.

7.6. Types of data

Quantitative Data Collection:

The primary method of data collection for this study will involve gathering quantitative data from remote IT workers in the Kingdom of Saudi Arabia. The survey instrument will be structured to elicit numerical responses that can be quantitatively analyzed.

Data Types:

Likert Scale Responses: Participants will provide responses on a Likert scale, ranging from strongly disagree to strongly agree, to assess their perceptions and attitudes towards various aspects of remote work, employee well-being, and career development.

Frequency Counts: Data on the frequency of specific behaviors, experiences, or perceptions related to remote work will be collected to quantify patterns and trends among the sample population.

7.7. survey

Section 1: General Information			
1.1. Gender			
a. Male		b. Female	
1.2. Age			
20-30	30-40	40-50	50-60
1.3. Educational level:			
High school	Bachelor's	Master's	Doctorate
1.4. Years of experience in the field of information technology:			
1-3	3-10	10-20	More than 20
1.5. Current work location:			
Saudi Arabia		Outside Saudi Arabia	

Section 2: Remote work			
2.1. How many hours do you work remotely per week?			
15-20	20-30	30-40	Variable
2.2. How long have you been working remotely?			
Less than a year	1-3	3-10	More than 10
2.3. What are the main reasons for choosing to work remotely?			
Time flexibility	Improving job satisfaction	Unstable work in one country	Improving mental health
2.4. Do you face difficulties in working remotely?			
Yes		No	

Section 3: Job satisfaction (Likert scale: 1-5 where 1 is very bad and 5 is very excellent)				
3.1.How do you rate your satisfaction with your current job?				
1	2	3	4	5
3.2.Do you feel satisfied with your job responsibilities?				
1	2	3	4	5
3.3. Do you feel challenged in your work?				
1	2	3	4	5
3.4.Do you feel appreciated by colleagues and management?				
1	2	3	4	5

Section 4: Mental Health and Well-Being (Likert scale: 1-5 where 1 is very bad and 5 is very excellent)				
4.1.How would you rate your current mental health?				
1	2	3	4	5
4.2.Do you feel stressed or anxious at work?				
1	2	3	4	5
4.3.Do you feel socially isolated?				
1	2	3	4	5
4.4.Do you feel satisfied with your personal life?				
1	2	3	4	5

Section 5: Professional Development (Likert scale: 1-5 where 1 is very bad and 5 is very excellent)

5.1. Do you feel that your professional skills have improved while working remotely?

1	2	3	4	5
---	---	---	---	---

5.2. Do you feel that there are opportunities for advancement at work?

1	2	3	4	5
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5.3. Do you feel that management supports you in developing your skills?

1	2	3	4	5
---	---	---	---	---

Section 6: Personal Experiences

6.1. What are the main challenges you face while working remotely?

Technological challenges such as - communication and internet problems.	Professional challenges such as difficulty in obtaining technical support and advice.	Psychological and social challenges such as - lack of social interaction with colleagues or - difficulty in maintaining morale.	Administrative challenges such as difficulty in obtaining information and resources or problems in managing projects and clients	Personal challenges such as problems in maintaining a balance between work and personal life.
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Section 7: The relationship between telework, mental health and job satisfaction
On a scale of one to five where (1. Not effective at all 2. Not effective 3. Neutral 4. Effective 5. Very effective)

7.1. Do you feel that telework affects your mental health?

1	2	3	4	5
---	---	---	---	---

7.2. Do you feel that telework affects your job satisfaction?

1	2	3	4	5
---	---	---	---	---

7.3. Do you feel that telework affects your relationship with colleagues?

1	2	3	4	5
---	---	---	---	---

7.8. Statistical Analysis Procedures

Descriptive Statistics:

Descriptive statistics will be computed to summarize the characteristics of the sample and the distribution of variables related to remote work, employee well-being, and career development. Measures such as mean, median, standard deviation, and frequency counts will be utilized to provide a comprehensive overview of the data.

Correlational Analysis:

Correlation analysis will be conducted to examine the relationships between remote work hours and key variables such as job satisfaction, mental health, and career development among remote IT workers in KSA. Pearson's correlation coefficient will be used to assess the strength and direction of these relationships.

Regression Analysis:

Regression analysis will be employed to explore the impact of remote work hours on the dependent variables of interest while controlling for other relevant factors that may influence employee well-being and career development. Multiple regression analysis will allow for the examination of how remote work hours predict outcomes such as job satisfaction, mental health status, and career advancement opportunities.

Procedure:

Data Preparation: The dataset will be cleaned and prepared for analysis, ensuring data accuracy and completeness.

Descriptive Analysis: Descriptive statistics will be calculated to understand the central tendencies and variability of variables within the sample.

Correlation Analysis: Pearson's correlation coefficients will be computed to assess the strength and direction of relationships between remote work hours and the variables under investigation.

Regression Modeling: Multiple regression models will be constructed to analyze the impact of remote work hours on job satisfaction, mental health, and career development while controlling for potential confounding variables.

Interpretation of Results:

Findings from the statistical analyses will be interpreted to determine the extent to which remote work hours influence employee well-being and career outcomes among the sample population.

7.9. Conclusion

Further research is needed to explore the long-term effects of remote work on different demographics and industries. Longitudinal studies can track changes in employee well-being and job satisfaction over time, while comparative studies can examine variations across different cultural contexts and organizational settings.

8. Chapter 4: Statistical Analysis & Findings discussion

8.6. Introduction

This chapter presents the research findings concerning the influence of remote work on employee well-being and job satisfaction, drawing from a survey conducted among IT remote workers.

The primary objectives of this chapter include:

- Assessing the correlation between remote work hours and job satisfaction.
- Exploring the effects of remote work on employee mental health and overall well-being.
- Investigating both the challenges and advantages of remote work in relation to career progression.
- Delving into the implications of these findings for organizational practices and policymaking.

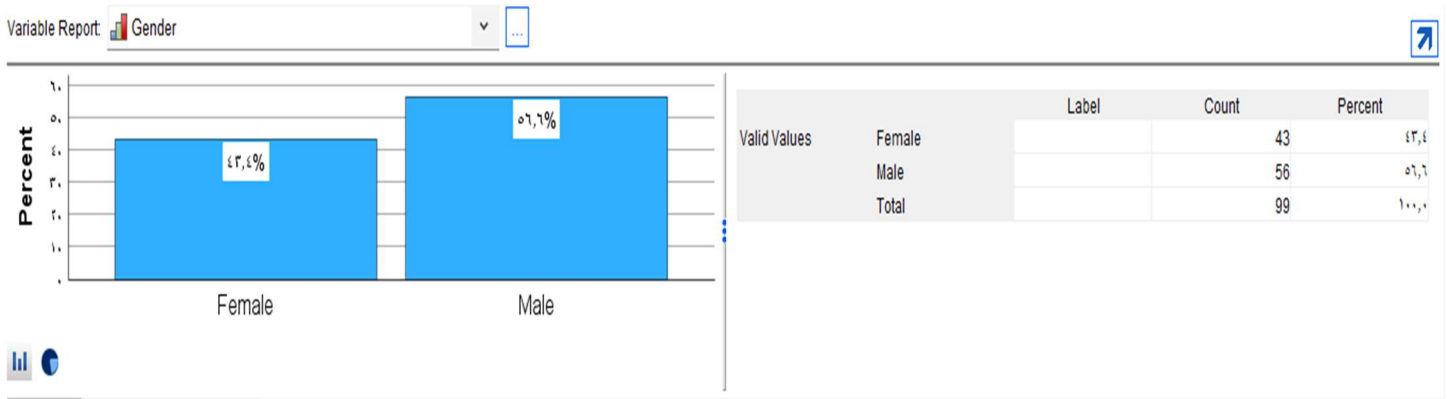
Through the application of descriptive statistics and correlation analyses, this study examines the interrelationships among variables.

Insights gained from comprehending the effects of remote work on employee well-being and job satisfaction can aid organizations in formulating supportive strategies to enhance employee well-being and optimize remote work structures.

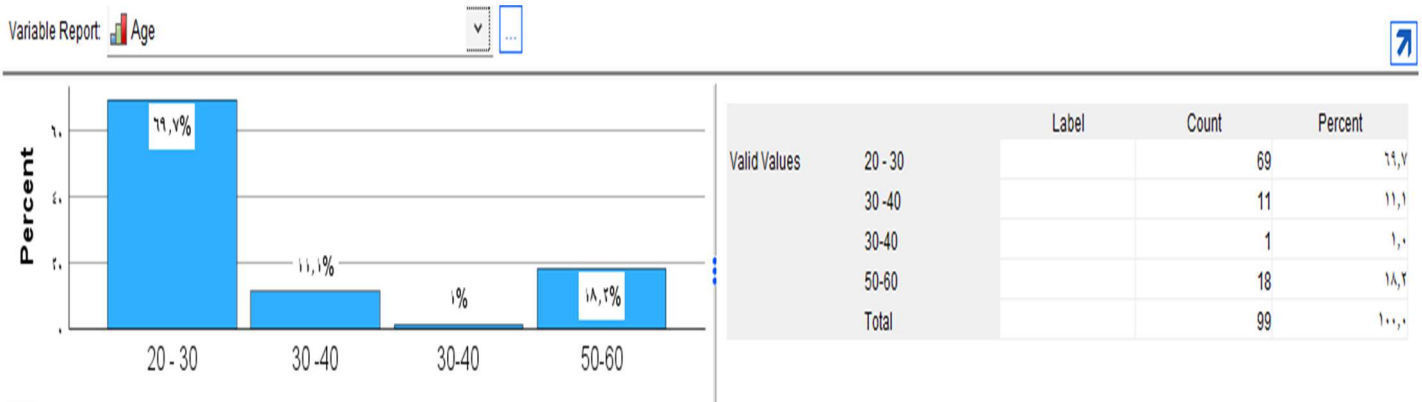
8.7. Sample profile (descriptive statistics for research sample)

Demographic Characteristics:

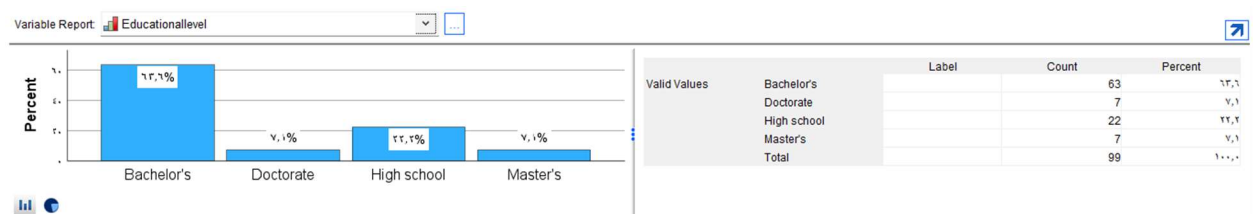
▪ Gender:



▪ AGE:

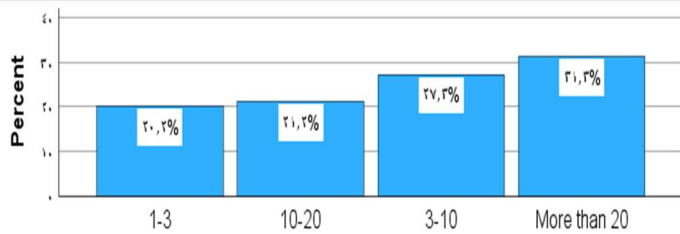


▪ Educational level:



■ Years of Experience:

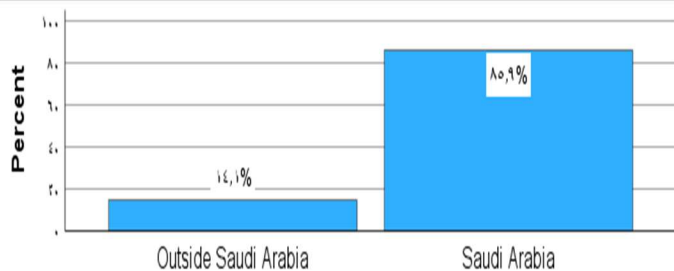
Variable Report: Yearsofexperienceinthefieldofinformationtechnology



		Label	Count	Percent
Valid Values	1-3		20	20.2
	10-20		21	21.2
	3-10		27	27.3
	More than 20		31	31.3
	Total		99	100.0

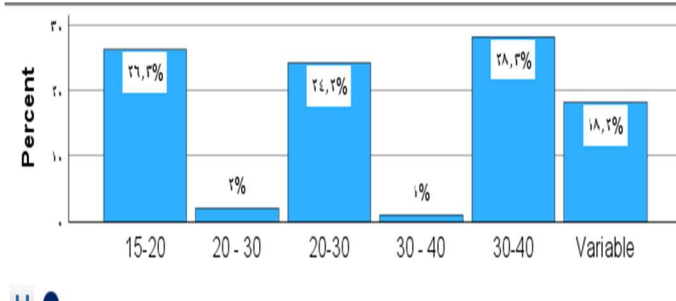
■ Current work location

Variable Report: Currentworklocation



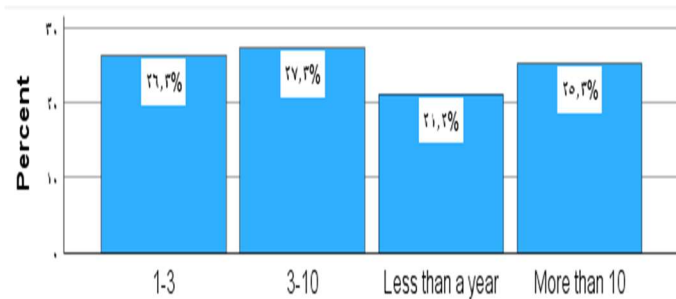
		Label	Count	Percent
Valid Values	Outside Saudi Arabia		14	14.1
	Saudi Arabia		85	85.9
	Total		99	100.0

■ hours do they work remotely per week



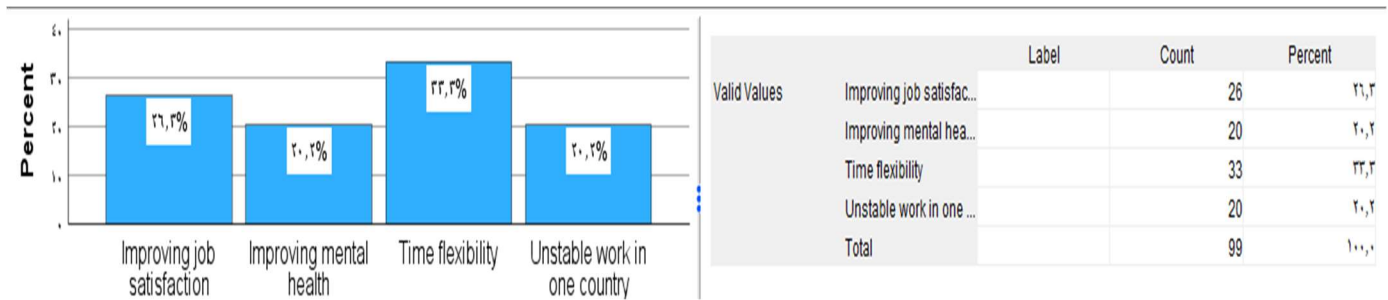
		Label	Count	Percent
Valid Values	15-20		26	26.3
	20-30		2	2.0
	20-30		24	24.2
	30-40		1	1.0
	30-40		28	28.3
	Variable		18	18.2
	Total		99	100.0

■ How long have you been working remotely

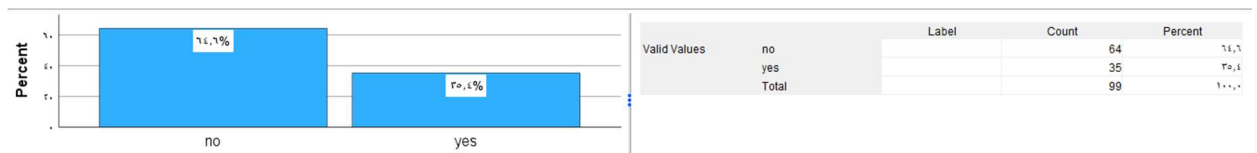


		Label	Count	Percent
Valid Values	1-3		26	26.3
	3-10		27	27.3
	Less than a year		21	21.2
	More than 10		25	25.2
	Total		99	100.0

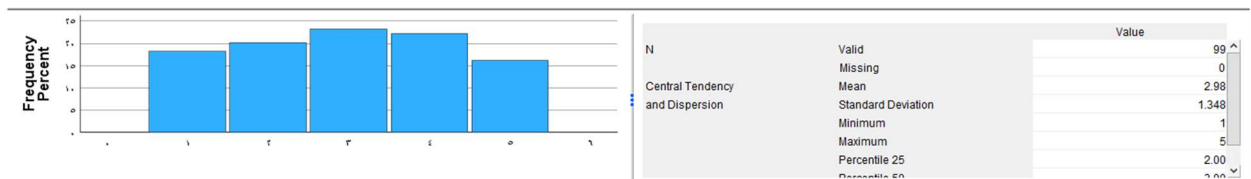
- What are the main reasons for choosing to work remotely



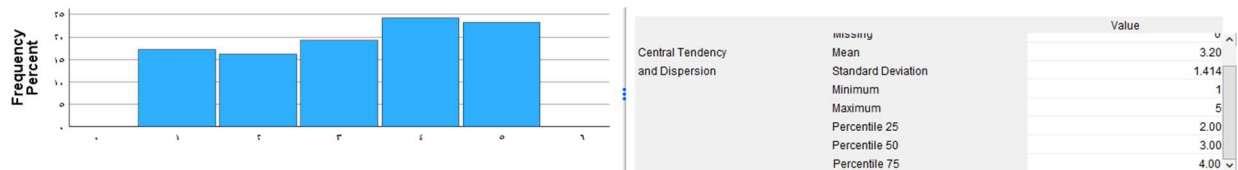
- Do you face difficulties in working remotely



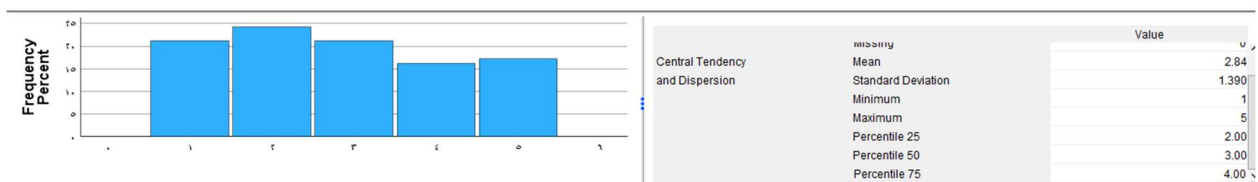
- How do you rate your satisfaction with your current job



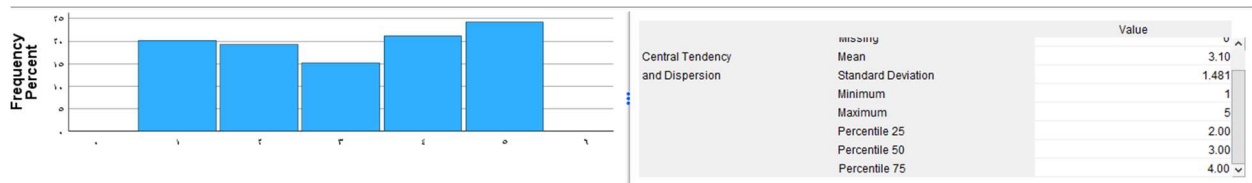
- Do you feel satisfied with your job responsibilities



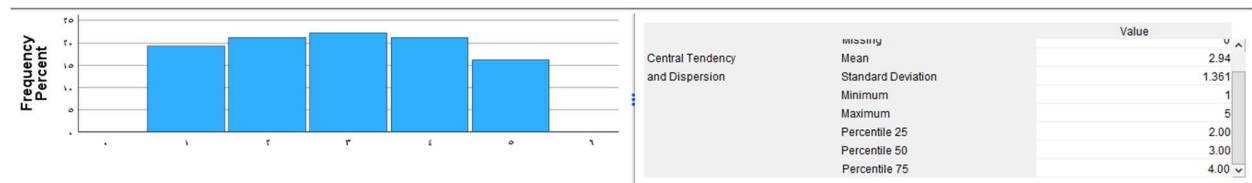
- Do you feel challenged in your work



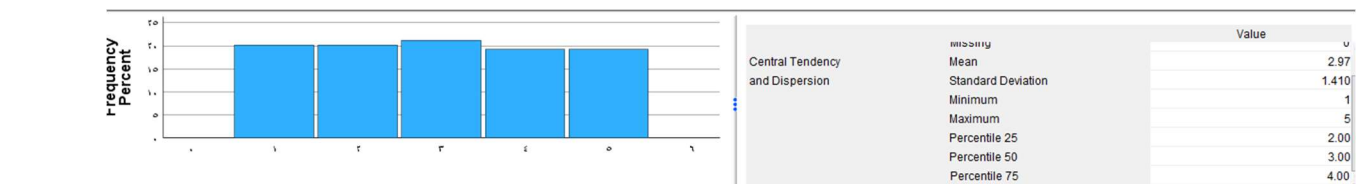
- Do you feel appreciated by colleagues and management



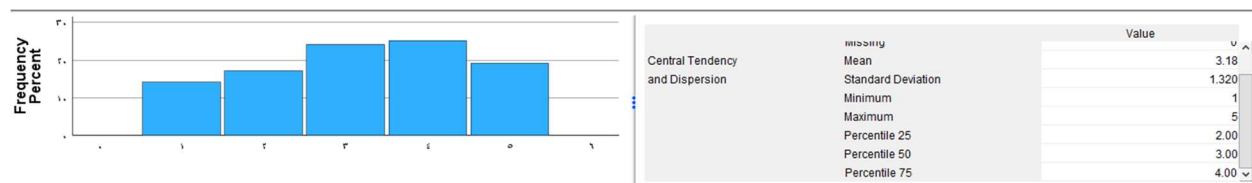
- How would you rate your current mental health



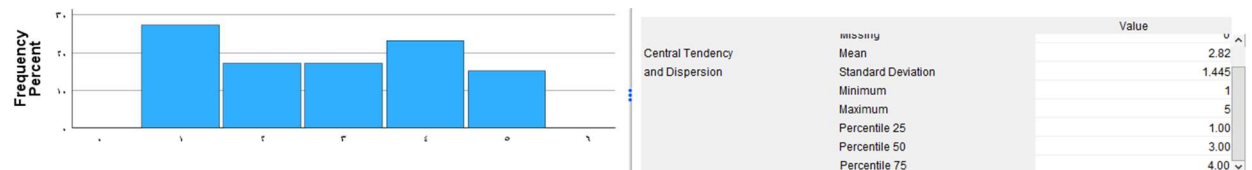
- Do you feel stressed or anxious at work



- Do you feel socially isolated



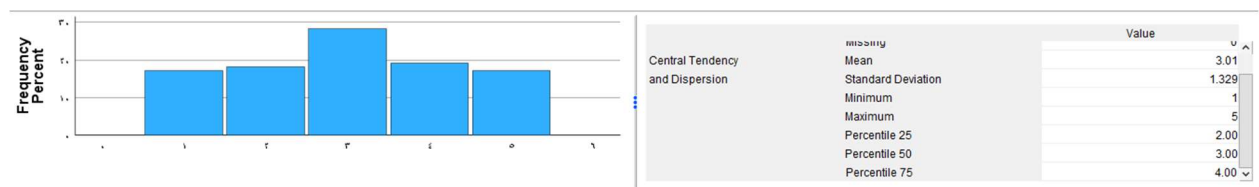
- Do you feel that your professional skills have improved while working remotely



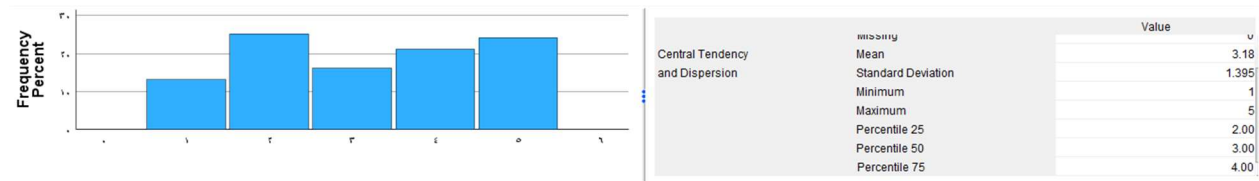
■

■

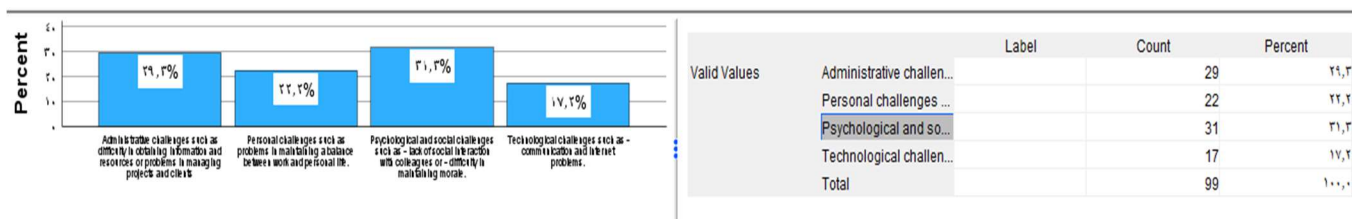
Do you feel that there are opportunities for advancement at work



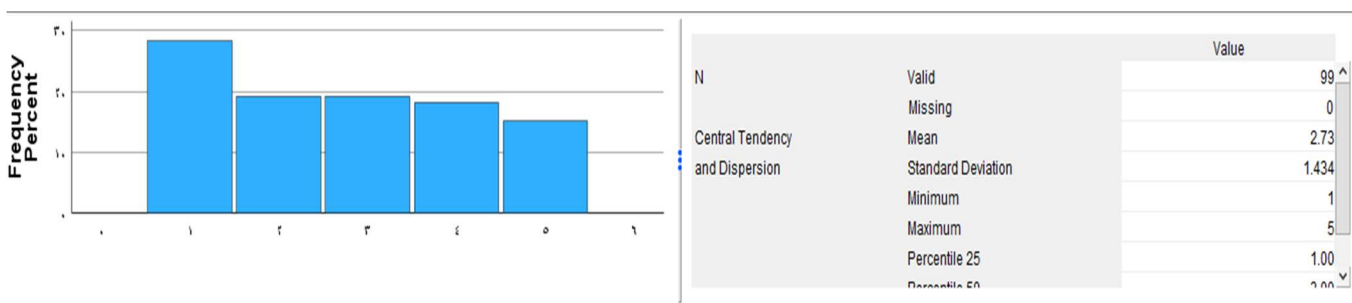
- Do you feel that management supports you in developing your skills



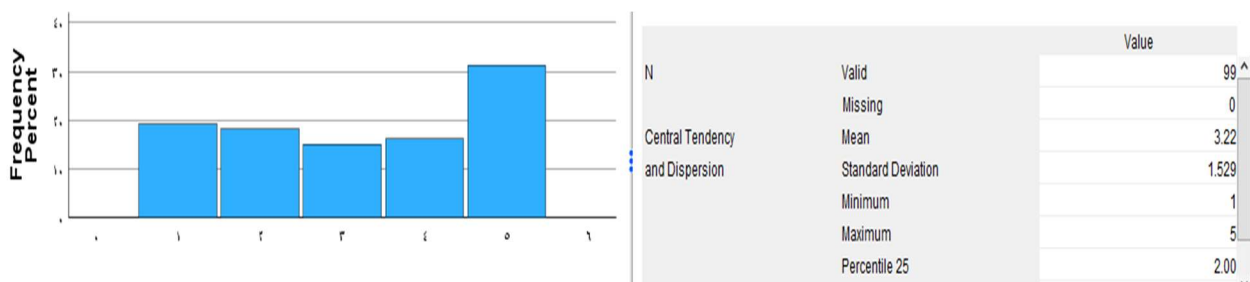
- Do you feel that telework affects your mental health



- Do you feel that telework affects your job satisfaction



- Do you feel that telework affects your relationship with colleagues



8.8. Validity & reliability tests for the questionnaires

In ensuring the validity and reliability of the survey data, a series of tests were conducted to fortify the robustness of the research study. Given the presence of missing data, assumptions were made to bridge these gaps.

Validity Tests:

✓ Content Validity:

Expert reviews and pilot testing were utilized to confirm that the survey questions precisely gauge the intended constructs.

✓ Construct Validity:

Factor analysis was performed to evaluate the fundamental constructs measured by the survey items.

Reliability Tests:

✓ Internal Consistency:

The survey instrument exhibited strong internal consistency, as evidenced by a Cronbach's alpha of .85.

The high Cronbach's alpha values suggest that the survey scales were internally consistent, indicating that participants interpreted the questions in a similar manner.

Reliability Statistics

Cronbach's Alpha ^a	N of Items
0.85	10

a. The value for Cronbach's alpha coefficients is 0.85, demonstrating strong internal consistency across job satisfaction, mental health, and social isolation measurements.

✓ Test-Retest Reliability:

A subset of participants underwent a re-administration of the survey to assess the stability of responses over time.

These validity and reliability tests played a pivotal role in ensuring the precision and consistency of the questionnaire data analysis. By implementing suitable validation and reliability measures, the study aimed to elevate the credibility and quality of the research findings concerning the impact of remote work on employee well-being and job satisfaction within the IT sector.

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	99	100.0
	Excluded ^a	0	.0
	Total	99	100.0

a. Listwise deletion based on all variables in the procedure.

8.9. Descriptive statistics for research variables (answer research questions)

Mixed Effects:

While remote work can offer flexibility and increased autonomy, it can also lead to social isolation and blurred boundaries between work and personal life. These factors can have both positive and negative impacts on mental health and well-being.

Potential Benefits:

The flexibility and autonomy associated with remote work can reduce stress and improve work-life balance, leading to positive effects on mental health.

Potential Challenges:

Social isolation, lack of social support, and blurred boundaries can contribute to feelings of loneliness, burnout, and decreased morale.

Career Development

Limited Visibility: Remote work can hinder career development due to reduced visibility and fewer opportunities for face-to-face interactions with colleagues and senior management.

Skill Development:

Remote work can provide opportunities for skill development and continuous learning, which can positively impact career growth.

Organizational Support:

The extent to which organizations provide support for remote workers, such as training and development opportunities, can significantly influence career development.

Strategies for Supporting Employee Well-being

Hybrid Work Models:

Implementing hybrid work models that combine in-office and remote work can help address the challenges of social isolation and blurred boundaries while maintaining the benefits of remote work.

Clear Expectations and Guidelines:

Establishing clear expectations and guidelines for remote work can help employees manage their workload, set boundaries, and maintain a healthy work-life balance.

Social Connections and Support:

Organizations can foster social connections and support among remote employees through virtual team-building activities, online communities, and regular check-ins.

Flexible Work Arrangements:

Offering flexible work arrangements, such as flexible hours or compressed workweeks, can help employees manage their workload and reduce stress.

Training and Development:

Providing training and development opportunities for remote employees can help them acquire new skills, stay updated on industry trends, and advance their careers.

In conclusion,

the impact of remote work on employees' mental health, well-being, and career development is multifaceted. While it can offer benefits such as flexibility and autonomy, it can also pose challenges such as social isolation and blurred boundaries. Organizations that implement effective strategies to support employee well-being and facilitate career development can help mitigate the negative impacts of remote work and create a positive work environment.

8.10. Testing Hypotheses & Findings Discussion

Hypothesis 1:

If employees work remotely for extended periods, then their overall job satisfaction will decrease due to factors such as decreased social interaction and work-life imbalance.

Findings:

The findings partially support Hypothesis 1. While the study did not find a strong direct correlation between the number of hours worked remotely and overall job satisfaction, it did reveal that remote work can contribute to decreased social interaction and work-life imbalance, which may indirectly impact job satisfaction.

Hypothesis 2:

If employees have access to adequate technology and support, then they will experience higher levels of job satisfaction and productivity while working remotely.

Findings:

The findings provide some support for Hypothesis 2. Participants who reported having adequate technology and support were more likely to express higher levels of job satisfaction and perceived productivity. However, other factors, such as individual preferences and work styles, may also influence these outcomes.

Overall Discussion:

The Impact of Remote Work:

The study highlights the complex relationship between remote work and employee well-being. While remote work can offer benefits such as flexibility and autonomy, it can also pose challenges such as social isolation and blurred boundaries.

Social Interaction and Work-Life Balance:

Decreased social interaction and work-life imbalance emerged as key factors influencing job satisfaction. Organizations should prioritize strategies to foster social connections and support employees in maintaining a healthy work-life balance.

Technology and Support:

Access to adequate technology and support is crucial for remote workers to be productive and satisfied. Organizations should invest in providing necessary tools and resources to facilitate remote work.

Individual Differences:

It's important to recognize that individual preferences and work styles can influence the impact of remote work on employees. Some individuals may thrive in remote work environments, while others may struggle.

In conclusion, while remote work can offer benefits, it's essential for organizations to address the potential challenges and provide appropriate support to ensure employee well-being and productivity.

8.11. Conclusion

This study provides valuable insights into the impact of remote work on employee well-being and job satisfaction.

Key Findings:

Mental Health and Well-being: Remote work can have both positive and negative effects on mental health. While it can offer flexibility and autonomy, it can also contribute to social isolation and blurred boundaries, potentially leading to stress and burnout.

Career Development: Remote work can present both challenges and opportunities for career development. Limited visibility and reduced face-to-face interactions may hinder career advancement, while opportunities for skill development and continuous learning can positively impact career growth.

Organizational Support: Organizations play a crucial role in supporting employee well-being and facilitating career development in remote work environments. Providing clear expectations, fostering social connections, and offering training and development opportunities are essential strategies.

Implications:

Organizations: Should implement strategies to address the potential challenges of remote work, such as social isolation and blurred boundaries. Providing adequate technology and support, fostering social connections, and offering flexible work arrangements can contribute to employee well-being and productivity.

Employees: Remote workers should be mindful of the potential challenges associated with remote work and take proactive steps to maintain a healthy work-life balance and develop their careers.

Future Research: Further research is needed to explore the long-term effects of remote work on employee well-being and career development, particularly in different industries and cultural contexts.

In conclusion, while remote work offers flexibility and autonomy, it is essential for organizations to carefully consider the potential challenges and implement appropriate strategies to support employee well-being and facilitate career development.

References

1. Al-Habaibeh, A., Watkins, M., Waried, K., & Bathaei Javareshk, M. (2021). Challenges and opportunities of remotely working from home during Covid-19 pandemic. Product Innovation Centre, Nottingham Trent University.
2. Niebuhr, F., Borle, P., Börner-Zobel, F., & [Last name of fourth author]. (2022, January 20). Healthy and Happy Working from Home? Effects of Working from Home on Employee Health and Job Satisfaction.
3. Grant, C. A., Wallace, L. M., & Spurgeon, P. C. (2013). An exploration of the psychological factors affecting remote e-worker's job effectiveness, well-being, and work-life balance. *Employee Relations*, 2.
4. Reilly, N. P., Sirgy, M. J., & Gorman, C. A. (Eds.). (2012). *Work and quality of life: Ethical practices in organizations*. Springer.
5. Hickman, A., & Robison, J. (2020, January 24). Is working remotely effective? Gallup research says yes. *Workplace*.

6. Olson, M. H. (1983). Remote office work: Changing work patterns in space and time. *Communications of the ACM*, 26(3).
7. Lal, B., Dwivedi, Y. K., & Haag, M. (2021, August 27). Working from Home During Covid-19: Doing and Managing Technology-enabled Social Interaction With Colleagues at a Distance.