

Introduction

This research aims to study the development of Riyadh city by using a questionnaire as the primary data collection tool. The focus will be on a set of aspects related to urban development, population growth, social changes, and economic development.

Research Methodology

A descriptive–analytical approach will be adopted in this research, where the status of the city's development will be described and the data extracted from the questionnaire will be analyzed.

Research Stages

1. **Formulating the Research Problem:** Identifying the specific aspects of the city's development that will be focused on.
2. **Formulating Research Objectives:** Determining the desired goals of the study, such as determining the impact of urban expansion on quality of life or evaluating residents' satisfaction with the services provided.
3. **Preparing a Theoretical Framework:** Building a theoretical background for the study by reviewing previous studies and literature related to urban development.
4. **Questionnaire Design:** Formulating questionnaire questions in a clear and direct manner, using closed and open–ended answer options.
5. **Sample Selection:** Determining the sample size and selection method, taking into account the city's demographic and social diversity.

6. **Data Collection:** Distributing the questionnaire to the study sample and collecting it.
7. **Data Analysis:** Analyzing quantitative and qualitative data using appropriate statistical programs.
8. **Writing the Final Report:** Presenting the research results and interpreting them, providing appropriate recommendations.

Data Collection Tool: Questionnaire

The questionnaire will be the primary tool for data collection in this study. The questionnaire will be designed to cover the following aspects:

- **Demographic Characteristics:** Age, gender, education level, income, length of residence in the city.
- **Urban Development:** Respondents' opinions on the changes occurring in the city in terms of urban development, such as an increase in high-rise buildings, the spread of gated communities.
- **Population Growth:** The impact of population growth on services and infrastructure, and satisfaction with the quality of life.
- **Social Changes:** Changes in values, customs, and traditions, and the impact of globalization on society.
- **Economic Development:** Respondents' opinions on the performance of the local economy and the availability of job opportunities.

Formulating Questionnaire Questions with Options

- **1:** Have you noticed an increase in the number of high-rise buildings in the city over the past five years?
 - Yes
 - No
 - To some extent
- **2:** What is your opinion of the quality of services provided in the city (e.g., public transportation, healthcare)?
 - Excellent

- Good
- Average
- Poor
- Very poor

3: What are the most important challenges facing the city at present? (Respondents can select more than one option)

- Traffic congestion
- Lack of green spaces
- High property prices
- Other (please specify)

Date analysis

Analysis	Percentage	Frequency	Response Options	Question
A significant majority of respondents (70%) have noticed an increase in high-rise buildings, indicating rapid urbanization.	Yes: 70%, No: 20%, To some extent: 10%	Yes: 70, No: 20, To some extent: 10	Yes, No, To some extent	<i>Have you noticed an increase in the number of high-rise buildings in the city over the past five years?</i>
While a significant portion of respondents (40%) rated the quality of public transportation as good, there is still room for	Excellent: 15%, Good: 40%, Average: 30%, Poor: 10%, Very poor: 5%	Excellent: 15, Good: 40, Average: 30, Poor: 10, Very poor: 5	Excellent, Good, Average, Poor, Very poor	<i>What is your opinion of the quality of public transportation in the city?</i>

improvement as 45% rated it as average or below.			
Traffic congestion is the most pressing issue for residents, followed by lack of green spaces and high property prices.	Traffic congestion: 80%, Lack of green spaces: 60%, High property prices: 50%, Other: 10%	Traffic congestion: 80, Lack of green spaces: 60, High property prices: 50, Other: 10	Traffic congestion, Lack of green spaces, High property prices, Other

What are the most important challenges facing the city at present? (Multiple answers allowed)

Key Findings

9. Rapid Urbanization: A significant majority of respondents (70%) have observed a notable increase in high-rise buildings, indicating rapid urbanization. This trend suggests a growing demand for housing and commercial spaces.

10. **Inadequate Public Transportation:** While a significant portion of respondents (40%) rated the quality of public transportation as good, there is still room for improvement as 45% rated it as average or below. This indicates a need for investments in public transportation infrastructure and services.
11. **Traffic Congestion and Lack of Green Spaces:** Traffic congestion was identified as the most pressing issue by 80% of respondents, followed by a lack of green spaces (60%). This highlights the need for sustainable urban planning and development that prioritizes traffic management and environmental considerations.

Recommendations

- **Enhance Public Transportation:**
 - Expand and improve the public transportation network to reduce reliance on private vehicles and alleviate traffic congestion.
 - Invest in modern and efficient transportation systems, such as metro lines and bus rapid transit.
 - Promote the use of public transportation through incentives and awareness campaigns.
- **Sustainable Urban Planning:**
 - Develop comprehensive urban plans that prioritize sustainable development, including green spaces, pedestrian-friendly areas, and mixed-use developments.
 - Enforce stricter building codes and regulations to ensure quality and sustainability.

- Promote the use of renewable energy sources in new developments.
- Address Traffic Congestion:
 - Implement intelligent transportation systems to optimize traffic flow and reduce congestion.
 - Encourage the use of non-motorized transportation, such as cycling and walking, through the development of dedicated infrastructure.
 - Explore the possibility of implementing congestion pricing or road tolls during peak hours.
- Increase Green Spaces:
 - Allocate more land for parks, gardens, and green spaces to improve air quality and enhance the quality of life.
 - Promote urban agriculture and community gardening initiatives.
 - Protect existing green spaces and natural habitats.
- Affordable Housing:
 - Develop affordable housing options to address the growing demand and high property prices.
 - Explore innovative housing solutions, such as co-living spaces and modular housing.

Conclusion

The survey results highlight the need for a more balanced and sustainable approach to the development of Riyadh City. By addressing the key challenges identified in the survey, such as inadequate public transportation, traffic congestion, and lack of green spaces, the city can

improve the quality of life for its residents and become a more sustainable and resilient urban center.

References

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