

# مهارات بحثية

سارة مشعي الدوسري

[illegible]

Untitled2 [DataSet1] - IBM SPSS Statistics Data Editor (Trial Mode)

[illegible]

Workbook1 [Document1] - IBM SPSS Statistics Workbook

Active DataSet: DataSet1

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Workbook

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Regression

Variables Entered/Removed<sup>a</sup>

| Model | Variables Entered     | Variables Removed | Method |
|-------|-----------------------|-------------------|--------|
| 1     | , X2, x1 <sup>b</sup> | .                 | Enter  |

a. Dependent Variable: Y

b. All requested variables entered.

Model Summary

| Model | R                 | R Square | Adjusted R Square | Std. Error of the Estimate |
|-------|-------------------|----------|-------------------|----------------------------|
| 1     | .975 <sup>a</sup> | .951     | .938              | 4.528                      |

a. Predictors: (Constant), , X2, x1

ANOVA<sup>a</sup>

| Model |            | Sum of Squares | df | Mean Square | F      | Sig.               |
|-------|------------|----------------|----|-------------|--------|--------------------|
| 1     | Regression | 4374.508       | 3  | 1458.169    | 71.133 | <.001 <sup>b</sup> |
|       | Residual   | 225.492        | 11 | 20.499      |        |                    |
|       | Total      | 4600.000       | 14 |             |        |                    |

a. Dependent Variable: Y

b. Predictors: (Constant), , X2, x1

### Coefficients<sup>a</sup>

| Model |            | Unstandardized Coefficients<br>B | Std. Error | Standardized Coefficients<br>Beta | t      | Sig. | Collinearity Statistics |       |
|-------|------------|----------------------------------|------------|-----------------------------------|--------|------|-------------------------|-------|
|       |            |                                  |            |                                   |        |      | Tolerance               | VIF   |
| 1     | (Constant) | 79.106                           | 19.782     |                                   | 3.999  | .002 |                         |       |
|       | x1         | -4.928                           | 1.611      | -.563                             | -3.059 | .011 | .132                    | 7.597 |
|       | X2         | .016                             | .007       | .392                              | 2.146  | .055 | .133                    | 7.501 |
|       |            | .175                             | .637       | .043                              | .275   | .789 | .181                    | 5.537 |

a. Dependent Variable: Y

### Collinearity Diagnostics<sup>a</sup>

| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions |     |     |     |
|-------|-----------|------------|-----------------|----------------------|-----|-----|-----|
|       |           |            |                 | (Constant)           | x1  | X2  |     |
| 1     | 1         | 3.732      | 1.000           | .00                  | .00 | .00 | .00 |
|       | 2         | .256       | 3.819           | .00                  | .03 | .02 | .00 |
|       | 3         | .010       | 19.624          | .00                  | .04 | .74 | .64 |
|       | 4         | .002       | 38.750          | 1.00                 | .93 | .23 | .36 |

a. Dependent Variable: Y

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