

Self-evaluation Tests

Wages 2

Instructions

- Click **Start**.
- Answer the questions.
- Click **End**.
- The cell

Score:

 shows the number of right answers.
- Each question is worth 1 point.
- Click **Correct** to check the correct answers.
- The test starts on the next page.
- Recommended duration: 15 minutes.

Questions

Open the data file `wages.gdt` to analyse wages (W) as a function of experience (EX), ethnic group, gender, marital status, number of dependents (ND) and place of residence.

General Linear Regression Model

1. The estimated coefficient of variable number of dependents is:
(a) -0.303139 (b) -2.28355 (c) -0.136405 (d) -1.148
2. The estimated wage for a married white woman without experience who has three children and lives in the city is:
(a) 5.37331 (b) 5.181775 (c) 4.265982 (d) 4.81790
3. The estimated wage for a single white woman without experience who has no children and lives in the city is:
(a) 4.81790 (b) 5.181775 (c) 4.265982 (d) 4.21014

4. Experience is a statistically significant variable ($\alpha = 5\%$):
(a) True (b) False
5. Ethnic group is a statistically significant variable ($\alpha = 5\%$):
(a) True (b) False
6. Number of dependents is a statistically significant variable ($\alpha = 5\%$):
(a) True (b) False
7. The variables experience, ethnic group and number of dependents are jointly significant ($\alpha = 5\%$):
(a) True (b) False

Consider a regression model to analyse wages as a function of gender, marital status and place of residence.

8. The coefficient of determination is:
(a) 0.184474 (b) 0.182013 (c) 0.193794 (d) 0.186687
9. The estimated wage of a single man that lives outside the city is:
(a) 4.88702 (b) 6.37498 (c) 8.0407 (d) 6.55274
10. The estimated wage for the fifth individual in the sample is:
(a) 6.552737 (b) 8.040696 (c) 6.374976 (d) 8.224996
11. The OLS residual for the fifth individual in the sample is:
(a) 0 (b) -1.07498 (c) 1.48796 (d) 3.74983

