

Dataset *Opera*

Exam, June 25th

A company that organizes opera analyzes a dataset containing data on 180 operas.

The variables considered are:

1. *Number of people attending the opera*
2. *Number of parkings*
3. *Ticket price*
4. *Opera by Verdi (yes / no)*

Conduct a statistical analysis focusing on the following steps:

- check for outliers, missing values, and inaccuracies
- perform a graphical analysis
- select the best model, that is, the best subset of predictors for the variable *Number of people attending the opera*
- according to the best predictors, make a proposal to increase the number of people attending the opera

Finally, write a brief report and send it to giovanni.deluca@uniparthenope.it