

# Dataset *Concerts*

Exam, June 25th

A company that organizes concerts analyzes a dataset containing data on 200 concerts.

The variables considered are:

1. *Number of people attending the concert*
2. *Expected temperature*
3. *Ticket price*
4. *Concert location (outside / inside)*

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 concert*
- according to the best predictors, make a proposal to increase the number of people attending the concert

Finally, write a brief report and send it to [giovanni.deluca@uniparthenope.it](mailto:giovanni.deluca@uniparthenope.it)