# Data Analysis Exercise

You are provided with some example work orders data from a utility company. The data represents jobs performed on pipes belonging to the company and contains the following fields:

* JOB\_ID – the unique identity of the work order.
* JOB\_TYPE – the type of job performed.
* DEPTH\_M – the depth of the pipe (m).
* DIAMETER\_MM – the diameter of the pipe (mm).
* MATERIAL – the material of the pipe.
* LENGTH\_M – the length of the pipe (m).
* JOB\_COST – the cost of the job (£).

Prepare a brief (10 – 15 mins) presentation describing an analysis of this data. To do the exercise you can use any tool you feel appropriate, the only requirement is that you produce outcomes that can be presented back to us.

Please perform the following analysis:

1. Describe the data provided.
2. Show how the cost of jobs is related to other features in the data.
3. Develop an approach for predicting the cost of a job.