

# DataVizA Tutorial: Introduction and R

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*Tutorial 1*

## Introduction to R

1. Get R and R Studio installed on your computer.
2. Install the **tidyverse** onto your computer.
3. Load the dataset `SwissExports.rds` which can be downloaded from Moodle. This data has four variables, a country code, the total value of exports in January 1988 and December 2018 (both in Swiss Francs) and a region code. The data can be read using the **readRDS** function
4. Produce a histogram of the exports in December 2018. Use the function **qplot** for this.
5. How would you describe the skew in the data
6. Do you identify any outliers in the data?
7. Produce a scatterplot of January 1988 exports against December 2018 exports. Use the **qplot** function.
8. Describe the relationship between exports in January 1988 and December 2018.
9. Are there outliers in the data?
10. How could this plot be improved?