

## **Abstract**

This diploma thesis is focused on determining the degree of presence of Benford's law in citation data. The data and their acquisition are described in detail. The most extensive analysis was performed on a dataset of 8.6 million records of scientific outputs from the Web of Science database, over a five-year period, with a selection of the three most numerous and most cited types of documents. Descriptive MAD (Mean Absolute Deviation) statistic were used to determine the degree of presence of Benford's law. The degree of presence of Benford's law was also determined for two datasets, the production of public universities in the Czech Republic and the Academy of Sciences of the Czech Republic under the same conditions as in other analyses.