

Data Analysis in Python

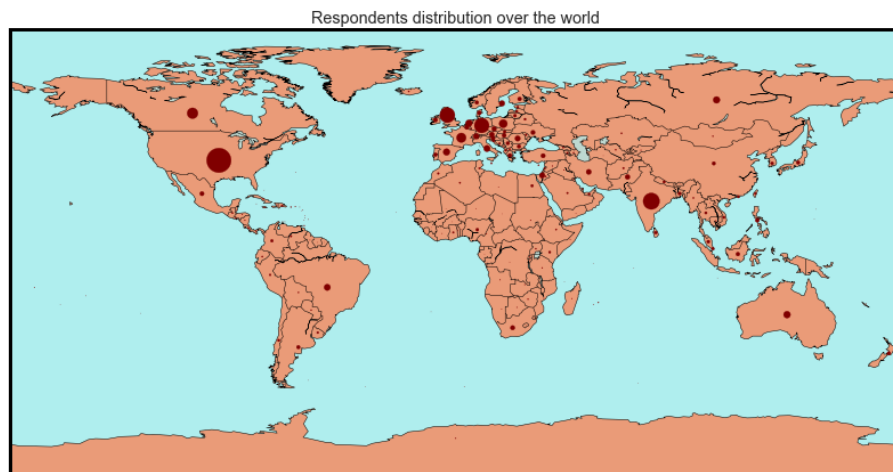
Trenogin Denis

Home Assignment #5

Task 1.

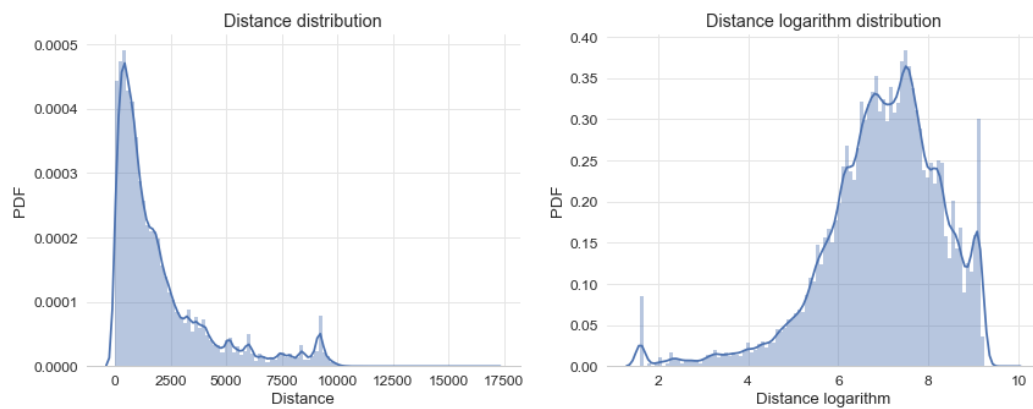
Total number of questions: 153

Total number of respondents: 51392

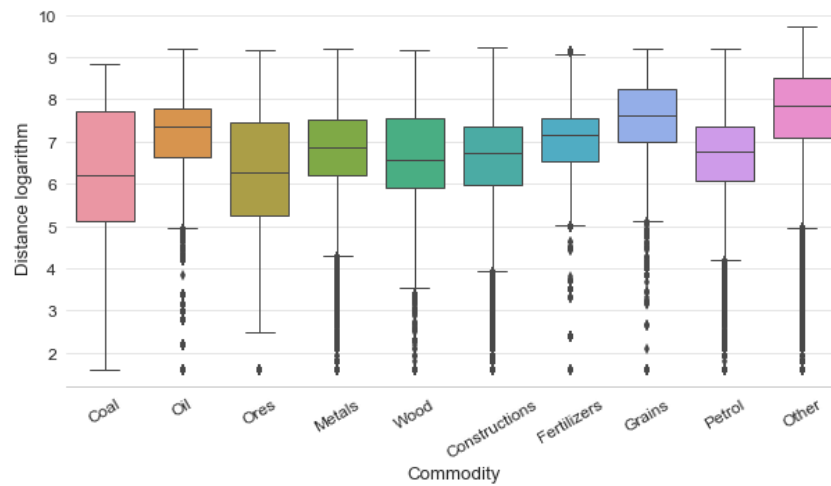


Task 2.

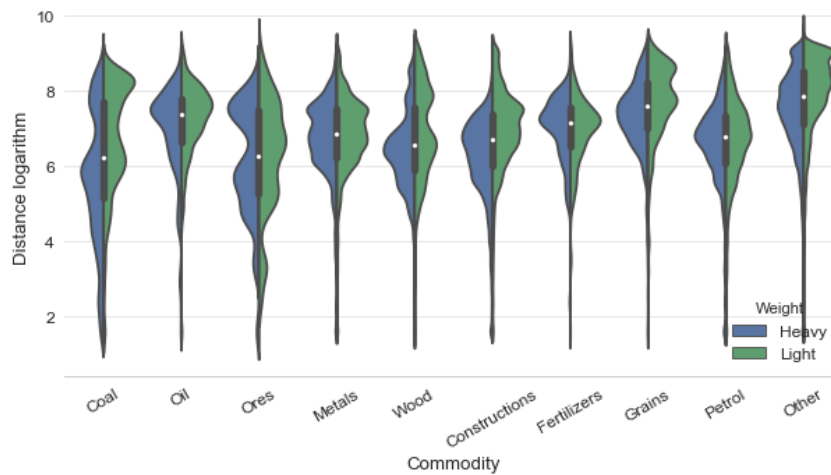
Plotting histogram and pdf for distance and log-distance distributions:



Plotting boxplot for log-distance for each commodity type:



Plotting violin plot for log-distance for each commodity type and weight category:



Plotting regression of $\log(\text{dist} \times \text{weight})$ on $\log(\text{amount paid})$, dropping packages with no amount, since they don't fit in log-based paradigm:

