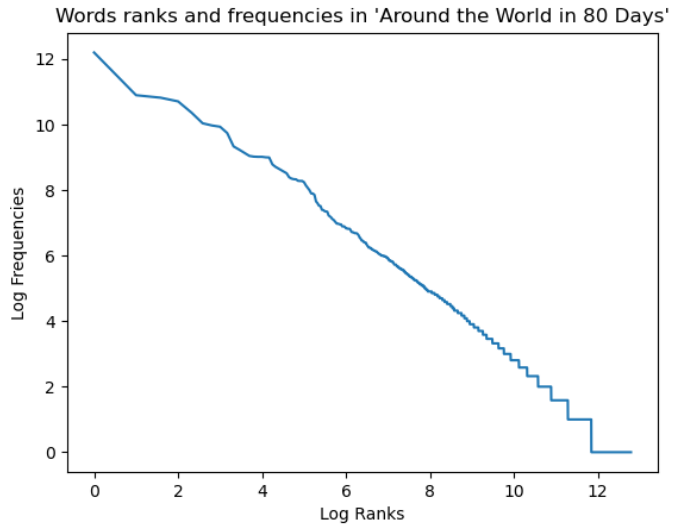


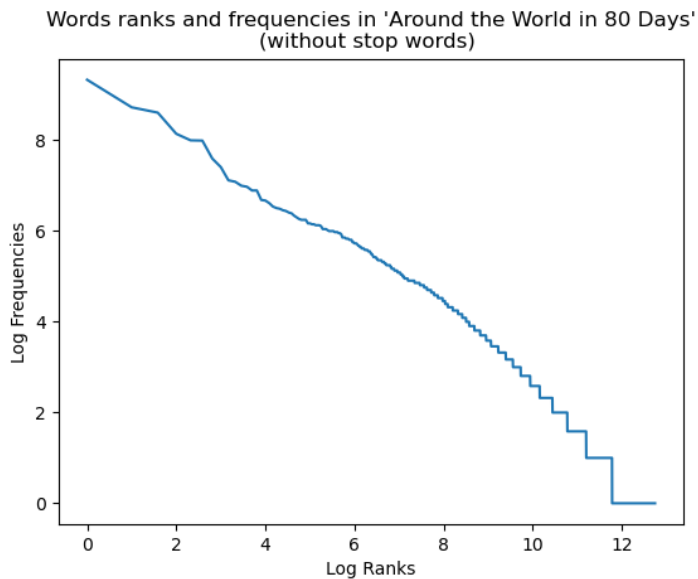
### HW3 – Practical part output:

**A** - "Around the world in 80 Days"

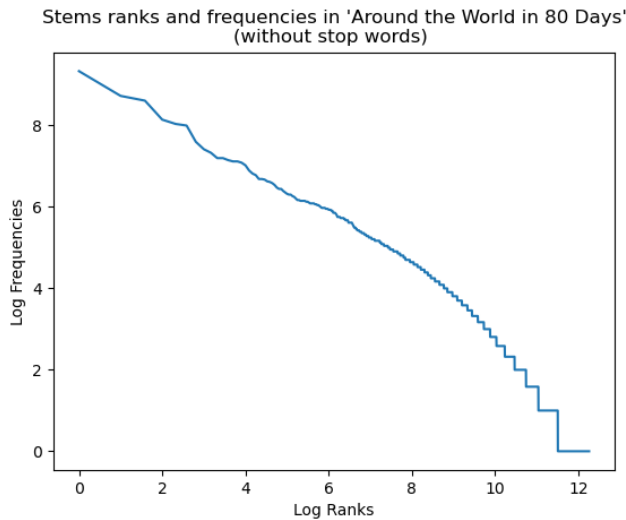
**B** - ['the', 'and', 'of', 'to', 'a', 'in', 'was', 'he', 'his', 'at', 'fogg', 'it', 'on', 'with', 'that', 'not', 'had', 'which', 'as', 'for']



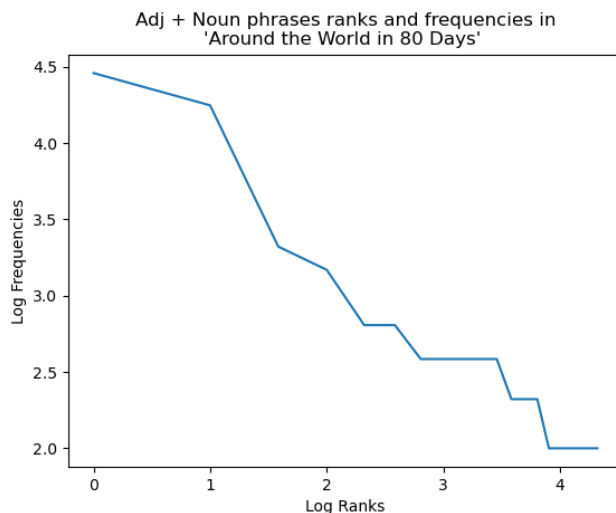
**C** - ['fogg', 'passepartout', 'mr', 'would', 'phileas', 'fix', 'said', 'one', 'could', 'aouda', 'master', 'time', 'upon', 'train', 'sir', 'two', 'hundred', 'replied', 'steamer', 'hours']



**D** - ['fogg', 'passepartout', 'mr', 'would', 'fix', 'philea', 'said', 'one', 'day', 'hour', 'time', 'go', 'could', 'train', 'aouda', 'master', 'upon', 'pass', 'steamer', 'repli']



**E** - ['young woman', 'next day', 'few moments', 'worthy fellow', 'full speed', 'poor fellow', 'honest man', 'greater part', 'young lady', 'several hours', 'next morning', 'few words', 'past twelve', 'american steamer', 'very evening', 'same time', 'great hurry', 'long time', 'full steam', 'several times']



**F** - We found out that Spacy counts A LOT on capitalizing when it comes to identifying proper nouns. When we POS-tagged the whole book after lowering, SpaCy found 76 proper nouns. Without lowering, it found 5047. For example, in the sentence "IN WHICH PHILEAS FOGG AND PASSEPARTOUT ACCEPT EACH OTHER, THE ONE AS MASTER, THE OTHER AS MAN" (chapter I title) "accept" is tagged as a proper noun if capitalized and as a verb if lowered.

Considering our book choice (Around the world in 80 days) the following cloud of proper nouns definitely corresponds with what we know about the content of the book (includes many countries, cities and references to the 2 main characters):