**A Retrospective Feedback Analysis of Objective Structured Clinical Examination Performance of Undergraduate Medical Students**

Akram Alsahafi 1,2 ; Micheál, Newell1; Thomas Kropmans,1

# **Figures document**

Text

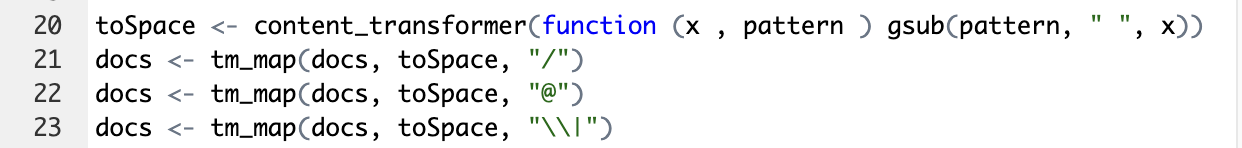
Description automatically generated

**Figure 1: R Code Implementation: Initial Data Loading Step**

Text

Description automatically generated with medium confidence

**Figure 2: R Code Implementation: Document Import and Inspection Step**



**Figure 3: R Code Implementation: Text Transformation and Special Characters Removal Step**

Graphical user interface, text, application

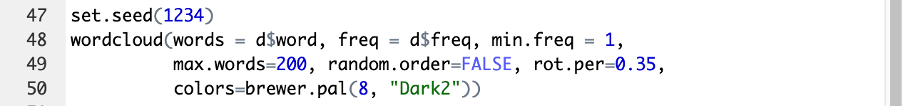
Description automatically generated

**Figure 4: R Code Implementation: Text Cleaning - Removing Unnecessary Spaces, Numbers, and Converting to Lowercase**

A picture containing letter

Description automatically generated

**Figure 5: R Code Implementation: Term Document Matrix Creation for Word Frequency Analysis**

**Figure 6: R Code Implementation: Word Cloud Generation for Visualisation of Word Frequencies**

**Text

Description automatically generated A close-up of words

Description automatically generated**

**Figure 7: Top 200 scoring words cloud in year 1 Figure 8: Top 200 scoring words cloud in year 2**

**Text

Description automatically generated Text

Description automatically generated with medium confidence**

###### **Figure 9: Top 200 scoring words cloud in year 3 Figure 10: Top 200 scoring words cloud in year 4**

**A close-up of words in a circle

Description automatically generated**

**Figure 11: Top 200 scoring words cloud in year 5**

**Figures 7-11:** Word clouds using the top 200 scoring words from each year in OSCE written feedback showing word importance (word frequency increases as font size increases). Over the five years, "good" is the most frequent used response.