

## Steps for Semantics Project

### Part 1: Analysis

This is complete and in the Google sheets

### Part 2: Results

- a. Choose two hypotheses that you wish to test.
- b. Create a cross tabulation of for each hypothesis. Use the so-called “pivot” function in Google sheets.
- c. Calculate the proportions and make a histogram showing the difference in use for your two lexemes. This can be done using the insert chart (“100% stacked column chart”) in Google sheets.
- d. Calculate the  $p$ -value to see the difference you have observed is significant. This can be done with an online calculator such as: <https://www.socscistatistics.com/tests/chisquare/default2.aspx>

### Part 3: Report

The report should use **IMRaD** - be divided into the 4 subsections 1. Introduction 2. Method. 3. Results. 4. Discussion. It should employ the writing heuristic of KISS (keep it simple and short)

#### 1. Introduction

Explain the questions and propose your hypotheses. Here you may wish to think about our discussions in class. Max 1 or 2 paragraphs.

#### 2. Method

Describe what you did. The problems you encountered. This section is simple if boring. Give as much detail as you think is needed. Include some examples if you think it will improve the explanation. The length here will vary depending on examples, but keep it short and simple.

#### 3. Results.

Here present your cross tabulations for your two hypotheses (no screen shots) and your plots (again, avoid screen shots). Don't forget to add whether any differences observed were significant and give the  $p$  value.

#### 4. Discussion

Were your hypotheses supported? If not, why do you think? Is your hypothesis wrong? Was there insufficient data? Was there a problem with the data? If so, do you think that this is the only difference between the lexemes? How could you further test your hypothesis?

**Style sheet**

Don't forget to follow the style sheet [http://www.dsglynn.univ-paris8.fr/Style\\_Guide.pdf](http://www.dsglynn.univ-paris8.fr/Style_Guide.pdf)

**Submission**

Submit your work in time for me to mark and enter the marks. I am happy to correct it and return it to you for a second submission. However, all this must be done **before the 28<sup>th</sup> Feb** when I must submit the marks.

**Marking**

I will use the “standard” out of 20 which is used widely in West Europe and then convert it to UAM norms. The marks will be broken down in the following way

5/20: analysis - in Google sheets

5/20: Professionalism – language and style guide

5/20: Intro and Method – question / hypotheses and clarity of study design description.

5/20: Results and Discussion – demonstration of understanding results and implications *viz.* question / hypotheses

**IMPORTANT**

Submit the work to: [studentwork.glynnp8@gmail.com](mailto:studentwork.glynnp8@gmail.com)

Do not use my normal email (it may get lost)

If you have any questions at all, plz do not hesitate to email me! ([dsg.up8@gmail.com](mailto:dsg.up8@gmail.com))