University Evaluation Over Time
Research Proposal
Secondary Data Analysis

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1 Background/Motivation

2 Research question/specific focus

3 Methodological approach

3.1 Data Sources

In our research we will use the following data sources:

- Academic ranking of world universities(ARWU)

- OECD Education Statistics(OECD iLibrary)

3.2 Main Variables

We will use a total of five variables for constructing the ranking analysis. Those variables will be:

1. Overall score (500 universities)

2. Top clinical medicine and pharmacy

3. Social sciences

4. Natural sciences and mathematics

5. Engineering/Technology and computer science

3.3 Indicators and Weights

Criteria	Indicator	Weight
Quality of Education	Alumniof an institution winning Nobel Prizes and Fields Medals	10%
Quality of Faculty	Staff of an institution winning Nobel Prizes and Fields Medals	20%
	Highly cited researchers in 21 broad subject categories	20%
Research Output	Papers published in Nature and Science	20%
	Papers indexed in Science Citation Index-expanded and Social Science Citation Index	20%
Per Capita Performance	Per capita academic performance of an institution	10%

3.4 Level of analysis

The level of analysis we will use for this project given the type of data is a macro level analysis.

3.5 Statistical techniques to be used

We will use correlation and classification.

4 Expected results/Main hypotheses/Main claims

5 Project plan

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