

# BUSAN 300 Project Proposal

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## 1. The datasets that I will use are:

	Source Name	Source Type (CSV, XML etc.)	Source Description	Link To Source
<b>Dataset 1</b>	World University Rankings	CSV	Global University Rankings over the years.	<a href="https://www.kaggle.com/datasets/mylesoneill/world-university-rankings">https://www.kaggle.com/datasets/mylesoneill/world-university-rankings</a>
<b>Dataset 2</b>	GDP among the World	JSON	GDP data for countries in 2020	<a href="https://www.kaggle.com/datasets/darknez/gdp-among-world?select=GDP.csv">https://www.kaggle.com/datasets/darknez/gdp-among-world?select=GDP.csv</a>

## 2. My plan to combine the datasets:

I plan to use Python due to my already built experience in the language from CompSci, to clean and combine the 2 data sets, the use of the Pandas library in Python will allow me to analyse data, clean and convert data between different formats and merge data. I will clean the JSON database and then convert dataset into a CSV dataset through the use of the panda library and then merge the 2 datasets using the **Country** field. This will give me a merged database in which I can use excel functions to gain insight and answer my questions.

## 3. My final, combined dataset will be stored in the form of a [Excel Workbook]

## 4. My backup plan for completing this project:

My backup plan is that in case I run out of time which may lead me to not have time to create a python script which can clean and merge the data, I will manually merge the data through a convertor eg JSON to CSV convertor. Once converted I will use Excel and use VLookUp to answer the questions. This could lead to some unclean data getting through and provide me with irrelevant information or incorrect answers however this is a last ditch effort.

I agree that all work submitted will be my own, and I agree to adhere to all the principles and practices of academic honesty and integrity for the University of Auckland outlined here: <https://www.auckland.ac.nz/en/about/learning-and-teaching/policies-guidelines-and-procedures/academic-integrity-info-for-students.html>Links to an external site.