Homework 5: Identify the research gap

# ****Research Paper Homework Instructions:****

Read through at least 1 research paper associated with this lab:

* <https://www.deeddataset.com/#/home>
* https://www.researchsquare.com/article/rs-2129961/v1

And provide the following summaries:

* The central research question (what are they studying?)
* The context of the study (where is the study taking place?)
* What type of data is being studied?
* What do the authors find?

Add your summaries to your working overleaf paper linked [HERE](https://www.overleaf.com/1362832519skknkzgcdzyr#a03140) (Aley’s Paper).

Finish writing the summary of the research gap:

1. What is different about your current research project compared to prior work?
   1. Dataset difference
   2. Context differences
2. Why do you think that there will be a different in result based on the DEEDS data set compared to prior work?

Begin describing the methods you will use:

* [Regression analysis](https://hbr.org/2015/11/a-refresher-on-regression-analysis)
* Similarity Analysis using Bert
  + [Link](https://huggingface.co/sentence-transformers/paraphrase-MiniLM-L6-v2)
  + [Paper](https://arxiv.org/abs/1908.10084)
* Sentiment Analysis using BERT:
  + [Link](https://huggingface.co/cardiffnlp/twitter-roberta-base-sentiment-latest)
  + [Paper](https://arxiv.org/abs/2202.03829)

# ****Python Programming Instructions:****

Additionally please run through the class’s python notebooks through this folder:

https://drive.google.com/drive/u/3/folders/12f278wZQtwhNZQBr4YV14NoHOczzFI\_X