

## Meeting 2

Present: Conor, Laura, Mike

### **Progress:**

Comparing labour force with the percentage of labour force that are female.

Comparing labour force against the out of school rate - no correlation so far

Percentage in school against the happiness against "Happy Planet Index" (common alternative to gdp) - slight correlation

Percentage in school against GDP – more of a correlation

Mass collection of data – on GitHub: 'Humanitarian Data Exchange Datasets'

### **Discussed:**

Verify Current Studies --> Use Predictive models to predict future trends

See if there are any old reports that can be updated with data science techniques

Literature Review - Read other studies (combined with introduction)

Verify the report based on past years

Want to boil it down to two or three datasets that are viable

Schedule Meeting for later – 9am is too early

Share Skype – Quarantine time!

Apply to report findings as they come

Second meeting slot - vote for a slot

Look into the ethics of where we got the data – may not be needed as there is no personal data / data is anonymous

Look at countries like Rwanda and Iceland with small paygaps to see how they perform

Compare the political gender balance (i.e. how balanced are the people in power in a country) and compared how that effects the equality in a country

Laura has a lot of books, see if she can find anything in them

Paper on drop out rates - added to github in papers folder

Is there a way to classify different countries – e.g. stages of development

### **Possible Methods:**

Looking at other papers can we form:

Bayesian Nets, Decision Trees? (not sure how to apply these as of yet)

Clustering Algorithms – Categorize countries or features

Linear Regression – Over time series

Feature Matrix – To find if any features cause a correlation