Luminosity

Cameron, M. Rosales, V. Westermann, J.P.

July 30, 2017

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Notes (Please Read):

- *print(df.to_latex())* will give a latex export of the dataframe in the jupyter notebook, you can use this to quickly copy paste into latex
- *plt.savefig(¡path¿)* will allow you to save your figure as a png so it can be used in the document/presentation
- Make sure to commit and pull as much as possible to avoid merge errors
- Don't edit the styles of this document yet, will do that at the end

1 Introduction

1.1 Summary

TODO Will do this last

1.2 Literature Review

1.2.1 Luminosity-based Approach

TODO Michael: Try to accumulate as much as possible. We have such a long list of papers anyway...

1.2.2 Natural Disaster Economics

TODO Viviana: obviously, as the expert...

2 Data

2.1 Data Description

TODO Micheal: Describe what the data looks like, how many observations there are, where we got it, who else has used it etc.

2.2 Data Preprocessing

TODO Jonas: Diffing volume issues (size of images)

3 Modelling

3.1 Disaster Impact Models

TODO Jonas: Describe other regressions that just study impact of earthquakes and some of the models tried out.

3.2 Panel Model

3.2.1 Region-based Panel

TODO Viviana

3.2.2 Section-based Panel

TODO Jonas

3.2.3 Dynamic Panel

TODO Viviana: Describe here how the model that you are using is constructed, where you got it, etc.

4 Results

4.1 Case Analysis

TODO Micheal: This is where your case analysis for different places goes, try to add some statistical tests etc. if possible. E.g. distribution of light one year vs the next compared to overall time series distribution changes (shocks).

4.2 Modelling Results

TODO Viviana: Describe the results of the regression here, significant values and what those values mean.

4.3 Conclusions

TODO Will do this just before the summary

4.4 Outlook

TODO Jonas