Meeting Minutes

PWC ILab Teams Meeting on 21.03.2024, 11:30am

Agenda:	Economic Interpretation and further Visualizations of Outputs
Participants:	PWC: Christian Koellich, Florian Moemken, WU: Florian Pauer, Lukas Handler, Students: Arina Suhodolova, Sophie Grill, Alexei Volodin, Dinara Zainullina, Sebastian Herzog
Last Meeting:	08.03.24 at 11:30am
Next Meeting:	Online Teams Meeting on 05.04.24 at 11:30am

Presentation of code adjustments and improved visualizations

Team	– Added currency indices in new regressions – Split whole time series into separate time series (2003-2009, 2010-2015, 2017-2023) – Presented economic interpretations of the results – Added new visualizations to shiny

Suggestions and Adjustments to be made

Pauer	– Look at “economic significance”: take coefficients from the regressions and multiply them with the standard deviations to see the real impact of the variables – Maybe include US GDP instead of Germany or Australia – If variables are randomly excluded when treating multicollinearity, then, if necessary, intervene manually when certain excluded variables could be more important for the analysis – Do robustness test on the PCA
Koellich	– Comments to consider for the final presentation: add “PCA: pros and cons”, show results for 1 time frame that is especially interesting and also look at results for specific crises. – Do a rolling window to indicate “themes”: to see when is it Asia-driven market, when is it Latin America, etc (so to see when the themes change (or indication of crisis/no crisis times)) – For storytelling it is better to use geographical regions, not specific countries – For the dummy regression divide group “less typical market behaviour” into “less typical above 1SD” and “less typical below -1SD” – display variance explained by PC1/PC2 (make that selectable in the shiny app) – Are there groups of positive/negative PCAs/Loadings? Can you highlight them in shiny?
Moemken	– Single and general regression visualization – Some R squared are too high (0.8) – check that