Мой вариант скорректированной гипотезы. Впишите свои ниже (Лена, извини, без перевода):

Education can be a social lift in countries with higher GINI index, as in the countries with higher equality education is available for more people and people have more opportunities to utilize their knowledge and skills to improve their social status, so people would be more interested in getting education and show better results. We hypothesize that lower GINI index will predict higher academic achievement. However, if countries allocate enough resourced to make education available for everyone, GINI index may be a weaker predictor of academic achievement. Although it may not always be the case, there should be a trend that more wealthy countries would also spend more on education, so GPD would moderate the interaction(not sure the word is OK in this context) between GINI index and academic achievement.

Предложение по анализу:

Linear regression:

Predictor: x = GDP

response variable: y = achievement

Multiple Regression analysis

<https://www.youtube.com/watch?v=dQNpSa-bq4M>

predictors: x1 = GDP, x2 = GINI

response variable: y = achievement

<https://en.wikipedia.org/wiki/Moderation_(statistics)>

<https://www.youtube.com/watch?v=sj2XWfZaxek> (про SPSS, но по сравнению с формулами в википедии, куда понятнее)

perform 2 times for math and reading

Пока не определились на методе анализа, мы не можем начать писать некоторые пункты. Те, для которых можно что-то написать (хотя бы скелет с пропусками), выделила зелёным. Напишите свое имя, если их берете.

Report Plan:

* Introduction (including hypothesis)
* Method:
  + Variables (short description of GDP, GINI, PISA)
  + Method
  + Software used
* Analysis and results (with graphs and tables!!!)
* Discussion
* limitations
* Conclusion
* References

We do not need to do all of the steps they describe, but the article is quite informative: http://www.wikihow.com/Write-a-Statistical-Report

APA guidelines (they also have recommendations on reporting statistical results. You can find them on the web-site or just google. There is also official web-site with APA guidelines, but I personally find this one more convenient):

https://owl.english.purdue.edu/owl/resource/560/01/