**Baldiri deadline: send finished paper wednesday night! Then he can go through all of it.**

Meeting 8-1-2019 Baldiri – Final meeting with Baldiri about the paper

* He likes the structure of the first draft of the paper
  + Great introduction Pol
  + Great conclusion Daan+Victor
  + Baldiri will go add comments of course, but for now: great job
* Methodology:
  + The structure of methodology looks good now.
  + The “introduction” of the methodology is good: don’t go any deeper
  + Baldiri is missing MVLR explanation
    - Very short in general explanation for MVLR (structure: how many of parameters used in MVLR)
  + Make sure the images in the paper reflect the actual model that has been used
  + Don’t use too many images in methodology. Choose which one you will use formulas for and which ones you want to use actual explanatory images for.
    - Maybe use formula in DNN, images with LSTM/GRU/Opschaler(?)
    - Just think for yourselves if the images are relevant. For example, if the image of the DNN in itself is not relevant, but it is relevant when comparing to the image of LSTM, then do include the image of DNN. As long as it actually adds some value.
  + Title of the valuation part is misleading: change it to a title that represents the content of the paragraph
  + Vector: Do we need to mention the LR of the models?
    - Brian: explaining what the LR actually means
    - If the LR parameter (or other tuning parameters/functions) is important for the different models, explain them in between data processing and all the models. Make a separate title for this.
    - When talking about optimizers: also mention the different ones you are using in here
* Talking about forecasting for a week ahead
  + Add the results of predicting a week ahead, with a resolution of an hour. This way you can compare the errors with the one-time-step ahead forecasting.
    - **Huge discussion, very confusing for all**
    - Conclusion: we are not predicting one week ahead. We are only predicting one hour ahead, always. The model doesn’t keep learning; therefore it is not basing predictions on new predicted data. Therefore, it is not predicting ahead. If we would want to implement this in a single house, we would need to change this to the way that it will take some predicted data to learn more.
* Explain VERY clearly that you use the mean of the 51 houses to “make” one house.
  + Reasoning being that by adding all the houses certain problems get avoided.
  + Add the graph of the “one house” in the appendix.
* The parameter table in the appendix:
  + Add the correlation table in the paper. Then the full parameter table in the appendix will make sense again.

Other stuff:

* Mention the weather bias: we used the real weather, but in reality, residents will use the predicted weather data. Just mention this briefly
* The problem with generating data: Opschaler might take a full week to reproduce the best results. Baldiri: yeh, that’s just how it is unfortunately.

Baldiri will be able to read something before wednesday night, but afterwards he will not be able to actual make in depth comments. -->