ToDo:

1. Woche 1: 5.01-9.01.2105 - Overview of the models

5.01.2015 : Calssical and modern econometrical models: linear regressions (Trading volume importance,)

6.01.2015 : Calssical and modern econometrical models: non-linear regressions

7.01.2015 : Neural networks (MLP, DBM, BMs,)

8.01.2015 : Machine learning on stock exchange

9.01.2015 : Choosing the most proper approach for the bachelor

2. Woche 2: 12.01-16.01.2105 - Data preprocessing

12.01.2015 : Smoothing the input data (moving average,)

13.01.2015 : Dependencie matrix 2

14.01.2015 : Dependencie matrix 3

15.01.2015 : Cut off (general dependencie on the main index)

16.01.2015 : Cut off (cross-dependencies, decide what to do with the substitutess)

3. Woche 3: 19.01-24.01.2105 - Model training and fine-tuning

12.01.2015 : Optimum finding

$$R^2 -> max$$

as example of the focus functions

13.01.2015 : Iterative fine-tuning and learning prcess 1

14.01.2015 : Iterative fine-tuning and learning prcess 2

15.01.2015 : Iterative fine-tuning and learning prcess 3

16.01.2015 : Error check

4. Woche 4: 26.01-30.01.2105 - Second Data processing

12.01.2015 : Texts mining (manual evaluation)

13.01.2015 : Texts mining (manual evaluation)

14.01.2015 : Manual analysis direct(later automatization) and automatic sentiment analysis

15.01.2015 : Manual analysis direct(later automatization) and automatic sentiment analysis

16.01.2015 : Results interpretation, Integration