The atmosphere was quite friendly.

Grade: 1.0

1. Draw 2 class data in case of overlapping and linearly separable. Asked the reasons of overlapping
2. Then asked which SVM is used in such cases. Explain the general staff about SVM.
3. Where does slackness push data. Think about cases: Data inside the margin, data inside the other class side.
4. Loss function of SVM (let say all point belongs to +1 class. One point is inside the -1 class region, second one inside the margin but close to -1 border, last one inside the margin but close to +1 class) show the loss region for this points.
5. SVR, general everything, loss function. Why SVR instead of linear regression. Draw linear regression and SVR loss.
6. The misclassification of SVM and how to use adaboost to overcome that. U have to tell him in that case u use the exponential loss, bla bla bla

Generally Prof. Noeth was friendly. I answered all question and explained them well. Sometimes I was stuck but he gave me hint.

Last suggestion: understand fully the SVM, GMM, Adaboost, and of course kernel. Formula of SVM GMM and Adaboost will be enough. U don’t need to know complicated things. I learned by watching Prof. Hornegger lectures and summarized everything. Lecturing one of your friends could help also.

Viel Glück