STAT 517 – Final Project Critique

Abhishek Thakur: Statistical learning and modelling on Microstructural dataset

Reviewed by Guang Qiu

Paper title: Statistical learning and modelling on Microstructural dataset

Depth of understanding: 9/10

Completeness:7/10

Difficulty:7/10

Comprehensiveness:8/10

Clarity:9/10

Comments:

Abhishek Thakur presented a presentation about microstructural dataset. What was a good point was he covered both supervised learning and unsupervised learning. The introduction of the dataset is clear and it’s easy to conduct what kind of data it is. For the supervised learning part in his presentation, he covered regression but without classification and more methods of regression could be used in his analysis. And for the unsupervised learning, he finished PCA, k-means clustering and Hierarchical clustering, which was clearly reflected the application in clustering in his dataset. What’s more, it would be better if he introduces a little bit about association. But for the entire presentation, I believe it’s good.