# INFO 5871 Project Proposal

Fall 2019

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| Student name: | Keke Wu |
| Brief description of data set: | In the research project *Color Crafting* I’ve been part of, we built two different models to automate the color ramp generation, and compare the ramps generated by these models in terms of both their functionality as well as aesthetics with the original designer crafted color ramps collected from online resources. We designed an experiment and deployed it on MTurk by recruiting professional designers across the world to finish our tasks.  In the experiment, each participant has multiple trials to finish a set of visualization tasks, their response time, accuracy, and demographic information will be uploaded to the database. |
| Data source: | CU VisuaLab – Amazon Mechanical Turk |
| Initial analysis questions: | 1. What is the relationship between years of design experience and the tendency on aesthetic rating?  2. How do different models perform in terms of accuracy and aesthetics? |
| Advanced technique: | 🞏 Logistic regression  🞏 Text mining  🞏 Social network analysis  🞏 Don’t know yet |