1. Proposal (7.5% of course grade)
2. Proposal presentation (5%) (video recording)  
   both slides and video   
   The video is going over the slides   
   Hellmer’s questions, brief literature survey, expected innovation, plan of activities

<https://baseballsavant.mlb.com/player-scroll?player_id=425844#pitchTypes>

https://grantland.com/the-triangle/visualizing-patterns-in-mlb-pitching/

https://www.datablick.com/blog/2017/11/5/visualizing-mlb-pitch-location-data-with-alteryx-tableau

<http://euclid.psych.yorku.ca/www/psy6135/students/presentation/PSYC6135_VRowlin_BaseballPitchFX.pdf>

<https://www.informationisbeautifulawards.com/showcase/3019-2017-mlb-pitcher-heatmaps>

<https://www.vizwiz.com/2018/10/pitching-heatmap.html>

https://shotline.peterbeshai.com/p/914