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PHYS 321

### Final Project Short Plan

I plan to develop a simple model for predicting the result of the next Québec provincial elections. The model will take into account opinion poll results and electoral history (this is inspired by the 338Canada Project). The model will also try to include other variables if they are found to be pertinent and quantifiable.

I intend to achieve this by looking at each electoral district in Québec and predict which party should win this district by looking at the distribution of votes of the previous election. I will look at the voting history of the district and see how the result of previous elections affected the following election (does a district always elect the same party or is this a “swing” district). Opinion polls will also be a part of the model. Opinion polls that do not take into account the electoral map (eg. Do Quebecers trust the current administration?) will be weighted less than polls that do (eg. For which party would voters in Rosemont vote if elections were held today?)

Research will hopefully determine how I should choose the weighting. The 338Canada Project also mentions taking into account demographic data. I will also research this and see if it can be added to my model.