

Proposal

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Application Domain: Figure Skating

Scope: I plan on limiting the scope to the top 6-10 male figure skaters, due to the difficulty in gathering data.

Problem: Predicting Future Figure Skating Scores

<https://link.springer.com/content/pdf/10.1007/978-3-540-44792-4.pdf#page=92>

I plan to use Bayesian inference in predicting the 2018 Pyeongchang Olympic scores of figure skaters

Alternatively,

Problem

I could also use Q-Learning to calculate the optimal routine for each skater, depending on how well they have done different jumps in the past.

<http://www.jmlr.org/papers/v4/hu03a.html>

<https://link.springer.com/article/10.1007/BF00992698>