

Handbook for tool use

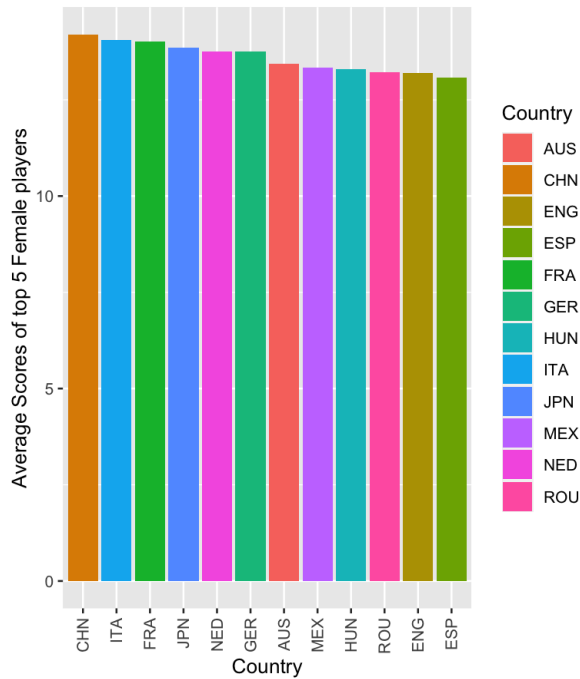
Please see the below for the handbook you can use in considering your factors and variables for selecting which team players to use. These have all been plotted through the consideration of our models:

- Logistic model for the probability of winning or not winning a medal
- Linear model for the predicted score of the athletes
 - Note: if you'd like to scale the scores, you can multiply the values accordingly with the scale of the number of games played

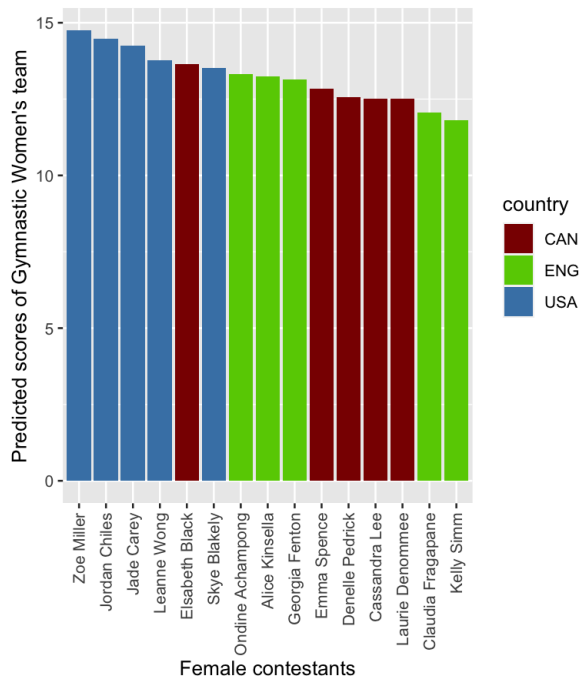
Predicted Scored [pred]

Women's Team

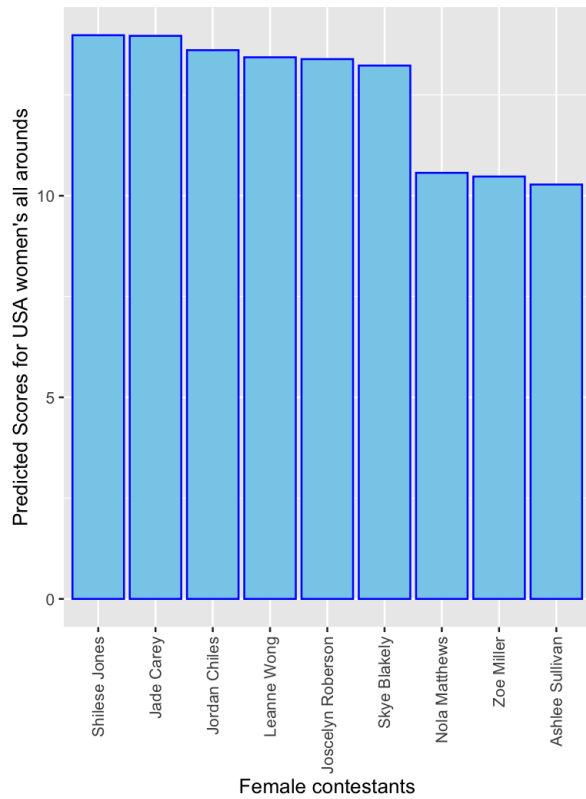
Plot	Plot Purpose
<p>Female Competitors with highest predicted score</p>	<ul style="list-style-type: none"> • Female Competitors with the highest scores within their country ranked in descending order by the predicted score values



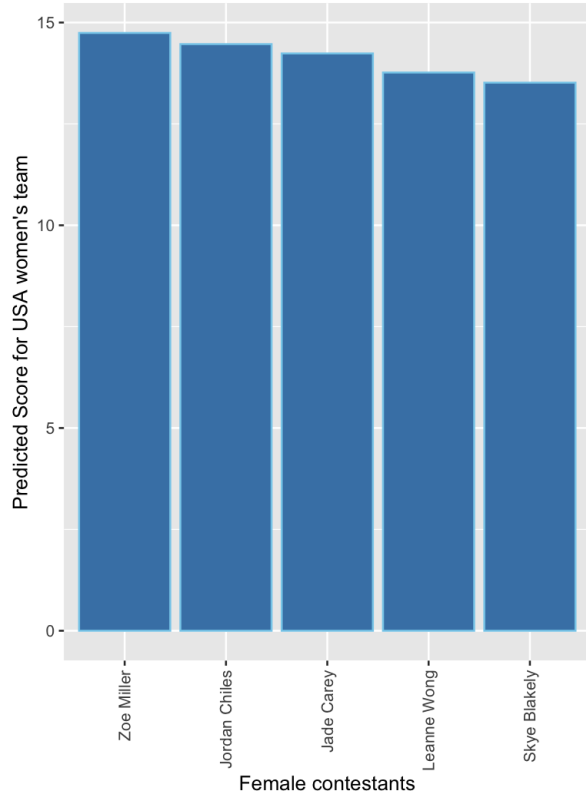
- From the top 5 female competitors within each of the countries, we average the scores of the competitors and let that be the representation of the average score for that country



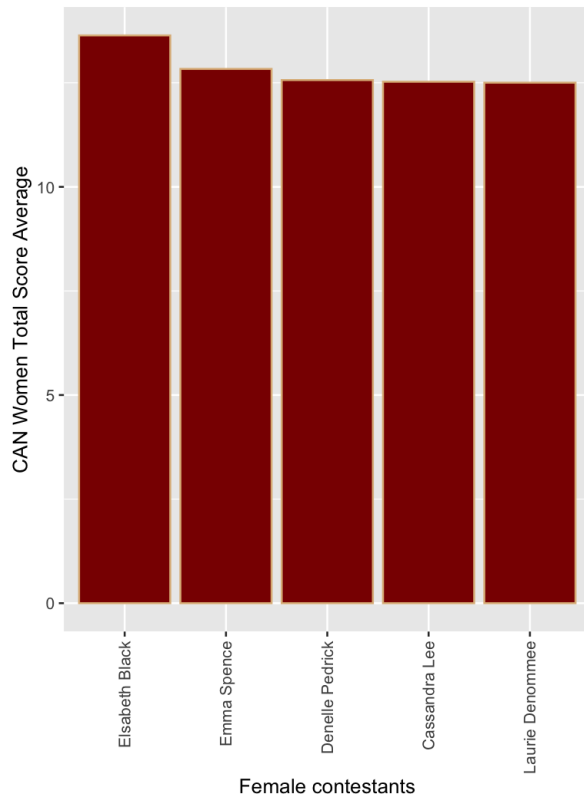
- These are the predicted scores for the confirmed qualified teams that are playing
 - CAN
 - ENG
 - USA



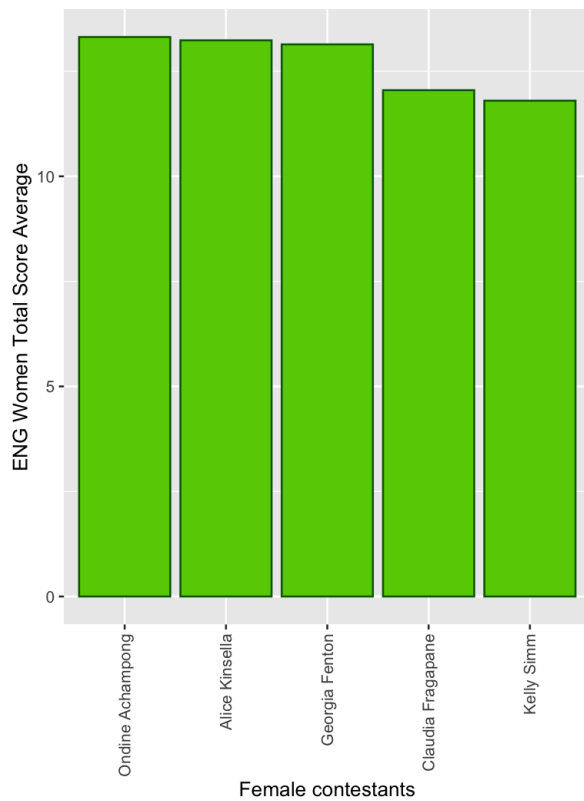
- USA's top female players (all around)



- USA women's team - predicted scores for the expected team of 5 players



- CAN women's team - predicted scores for the expected team of 5 players

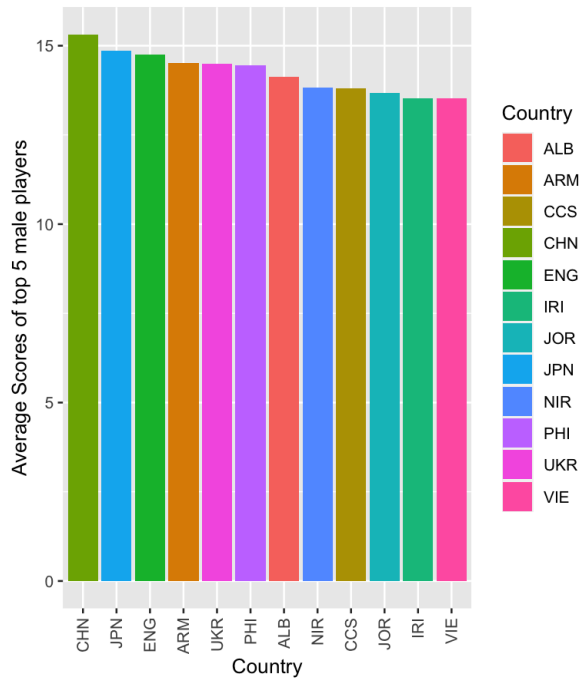


- ENG women's team - predicted scores for the expected team of 5 players

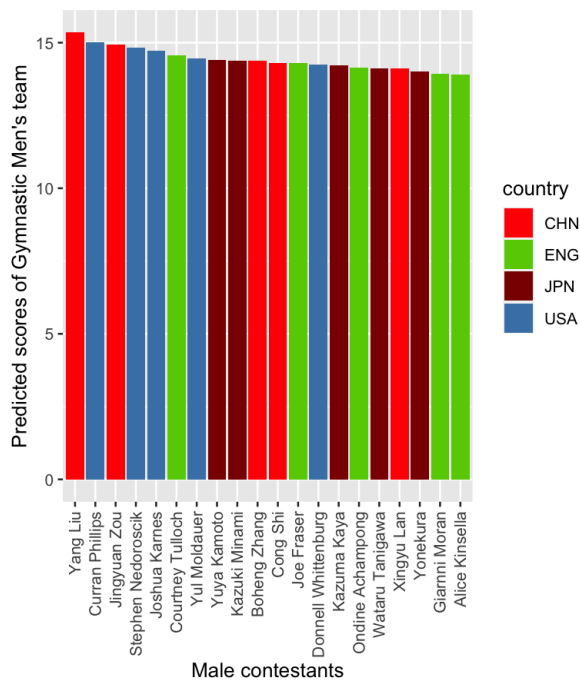
Men’s Team

Plot	Plot Purpose
<div></div> <p>Male Competitors with highest predicted score</p>	<ul style="list-style-type: none">Male Competitors with the highest scores within their country ranked in descending order by the predicted score values

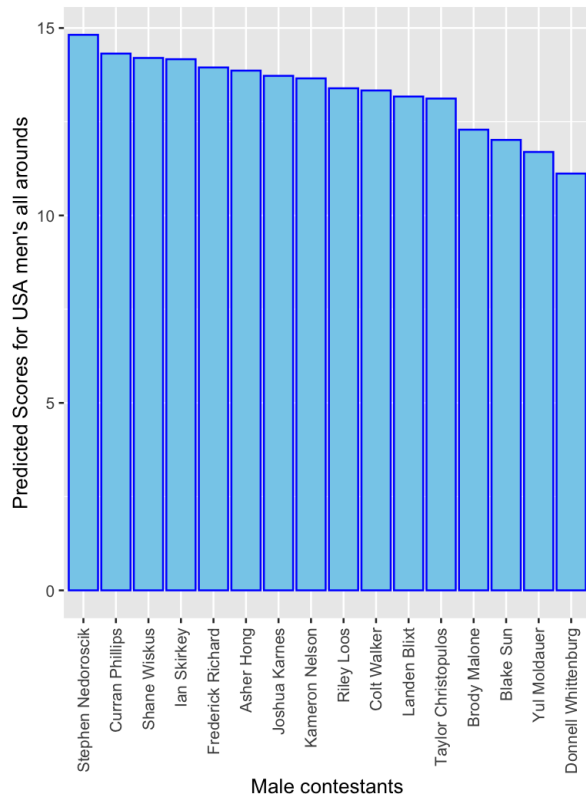
- Male Competitors with the highest scores within their country ranked in descending order by the predicted score values



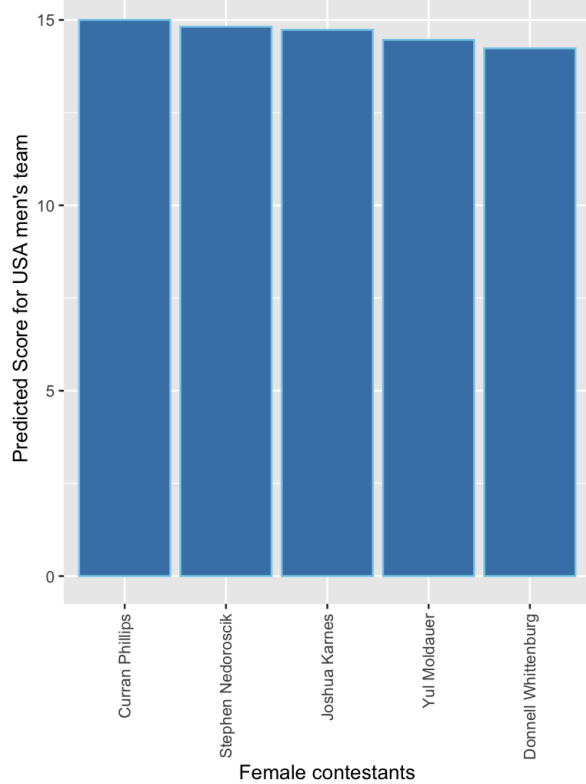
- From the top 5 male competitors within each of the countries, we average the scores of the competitors and let that be the representation of the average score for that country



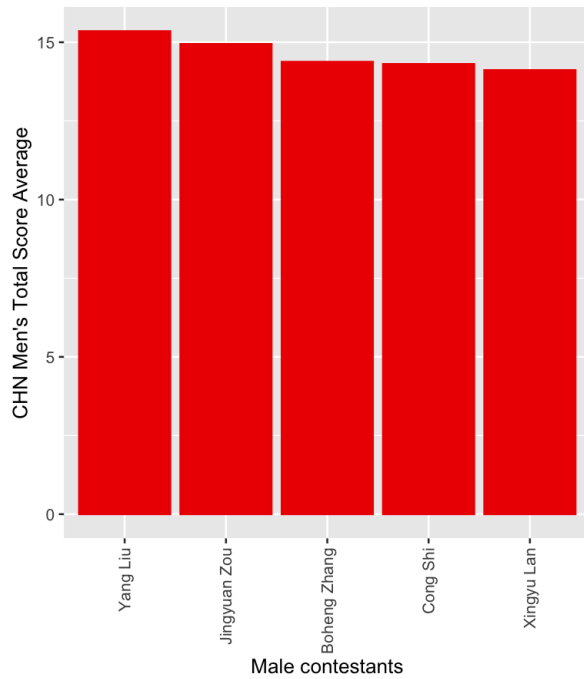
- These are the predicted scores for the confirmed qualified teams that are playing
 - CHN
 - ENG
 - JPN
 - USA



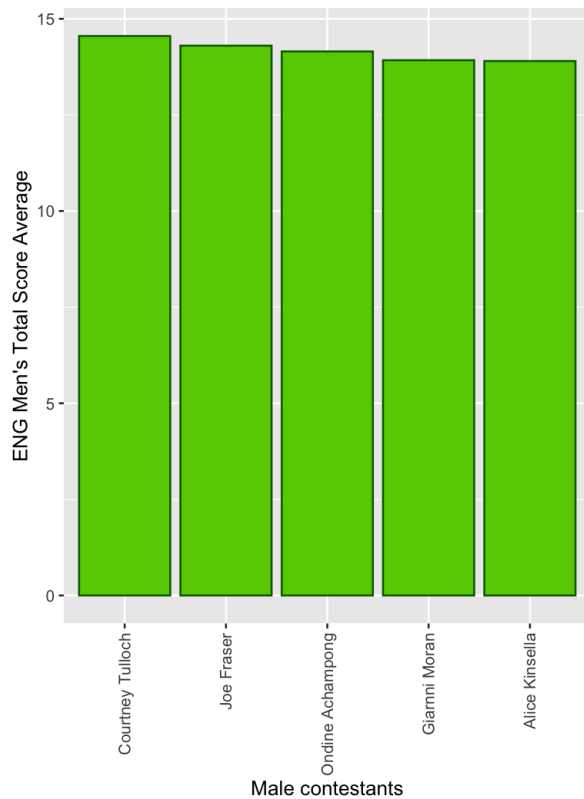
- USA's top male players (all around)



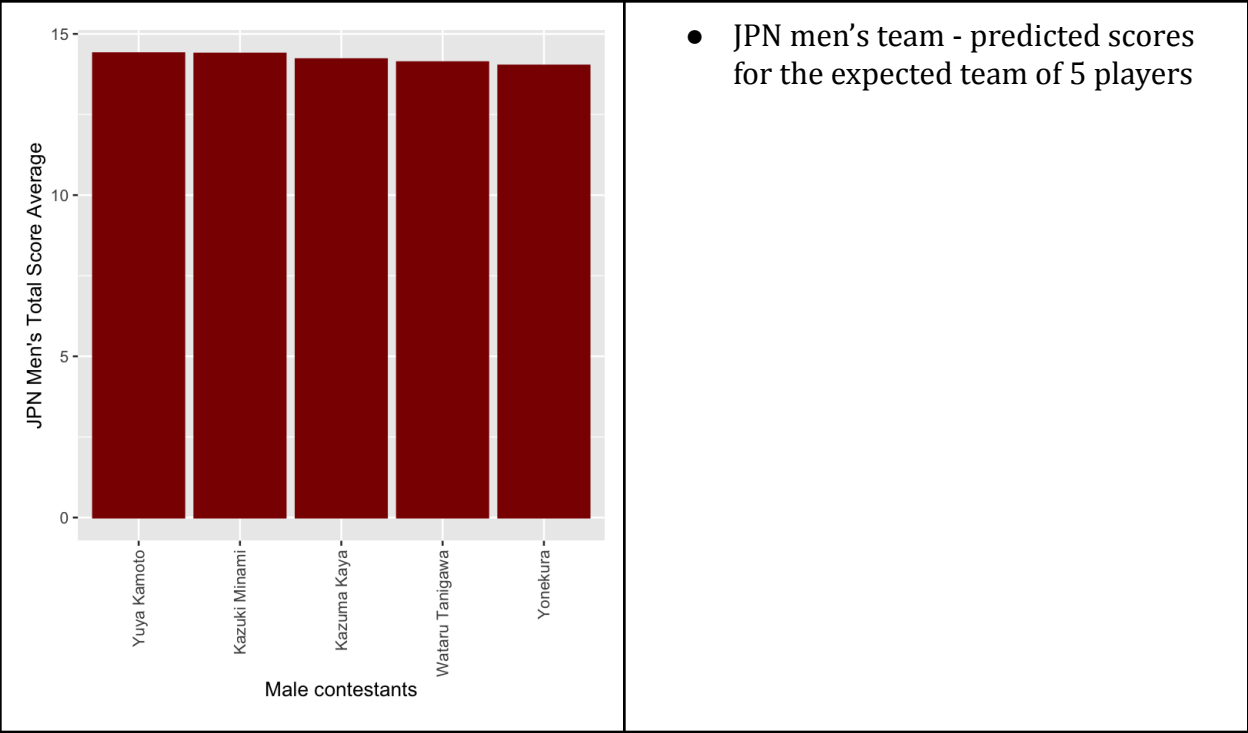
- USA men's team - predicted scores for the expected team of 5 players



- CHN men's team - predicted scores for the expected team of 5 players



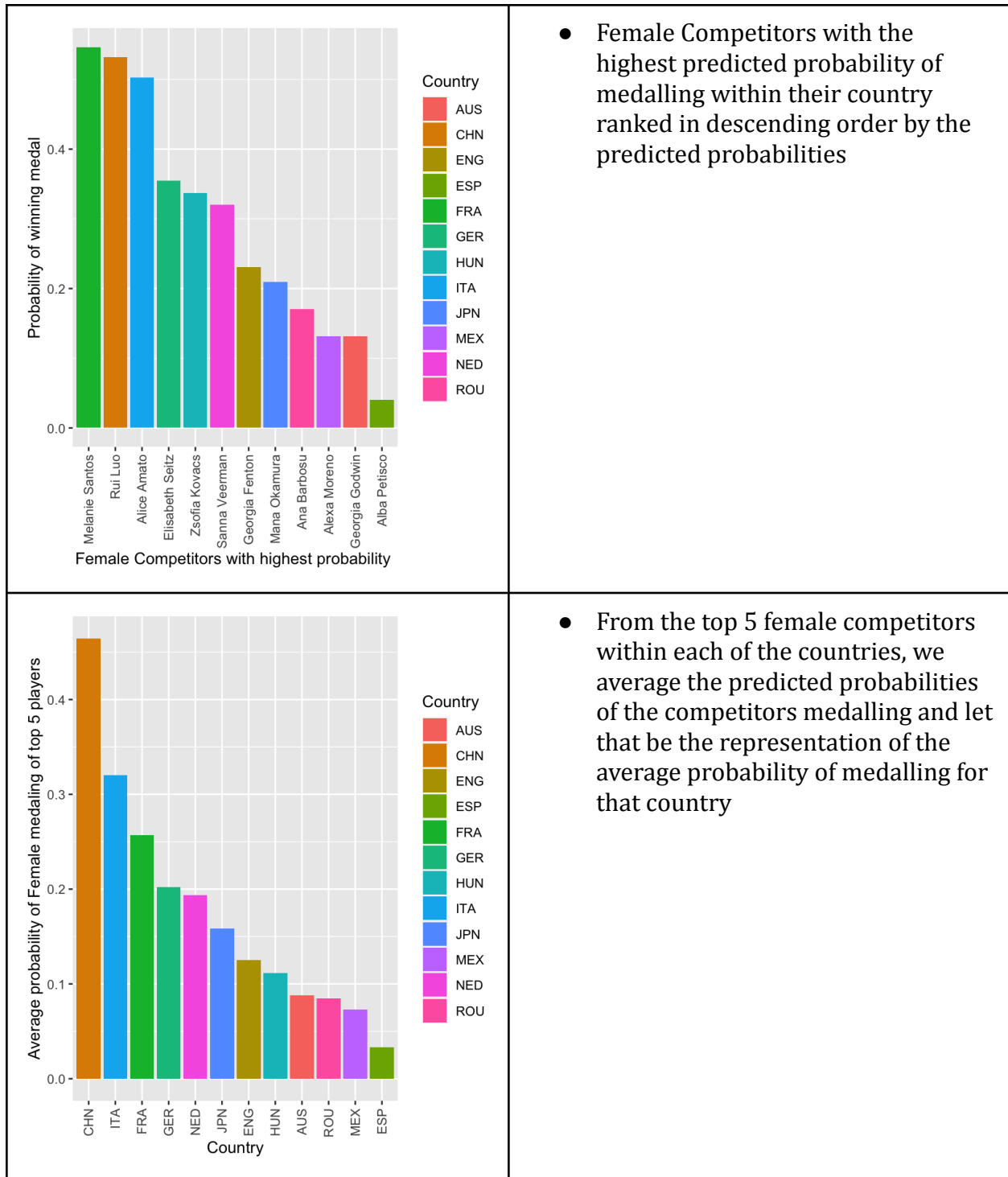
- ENG men's team - predicted scores for the expected team of 5 players

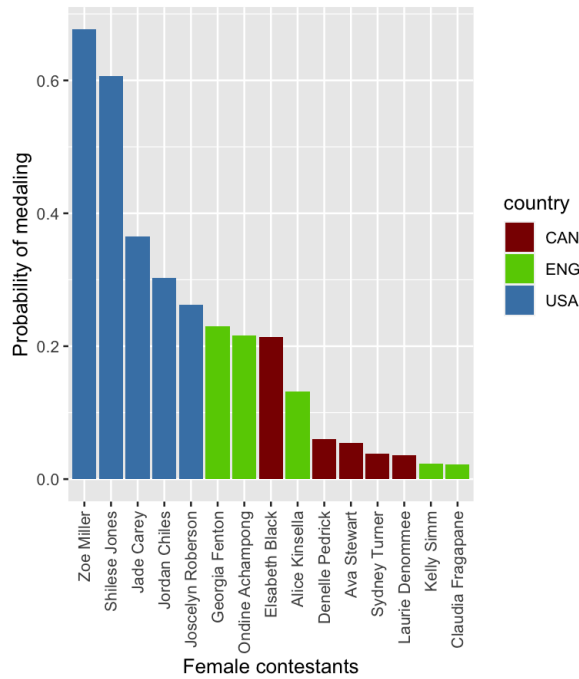


Probabilities [prob]

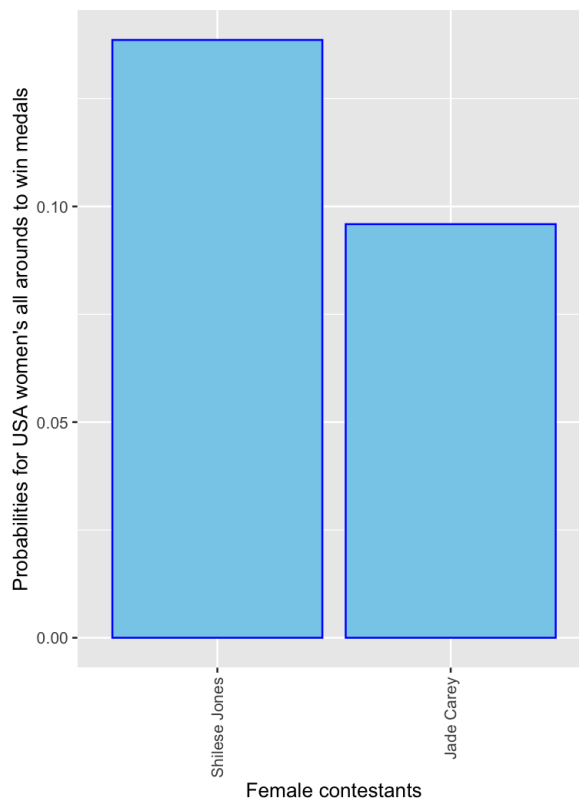
Women’s Team

Plot	Plot Purpose
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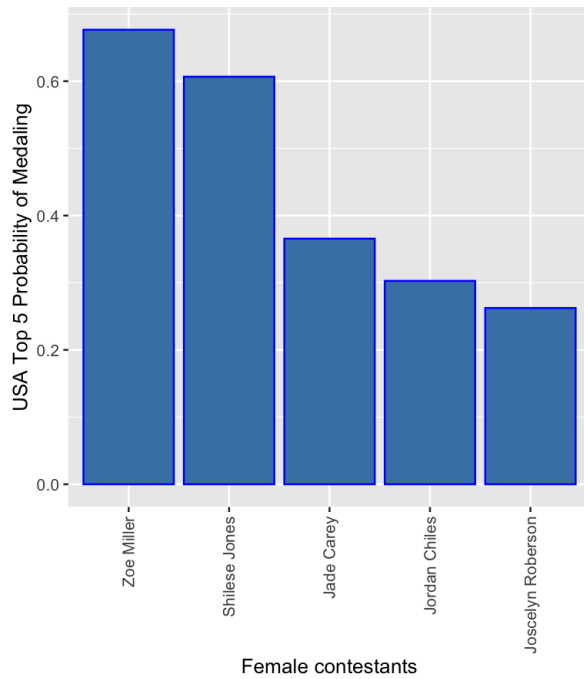




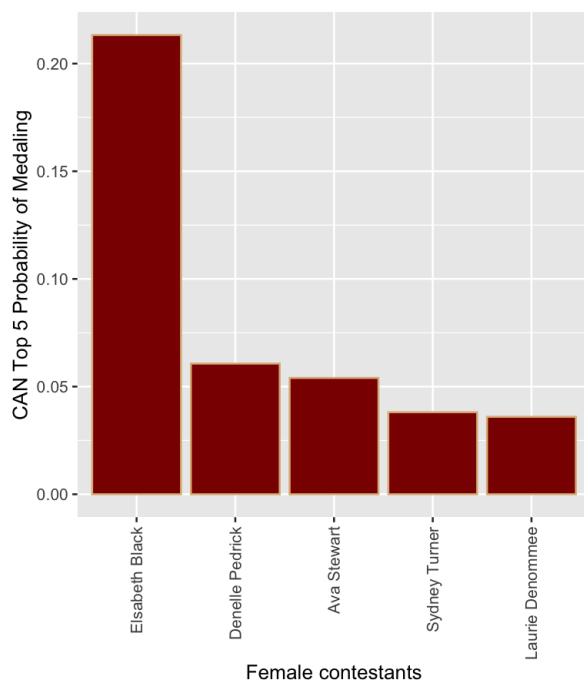
- These are the predicted probabilities of medalling for the confirmed qualified teams that are playing
 - CAN
 - ENG
 - USA



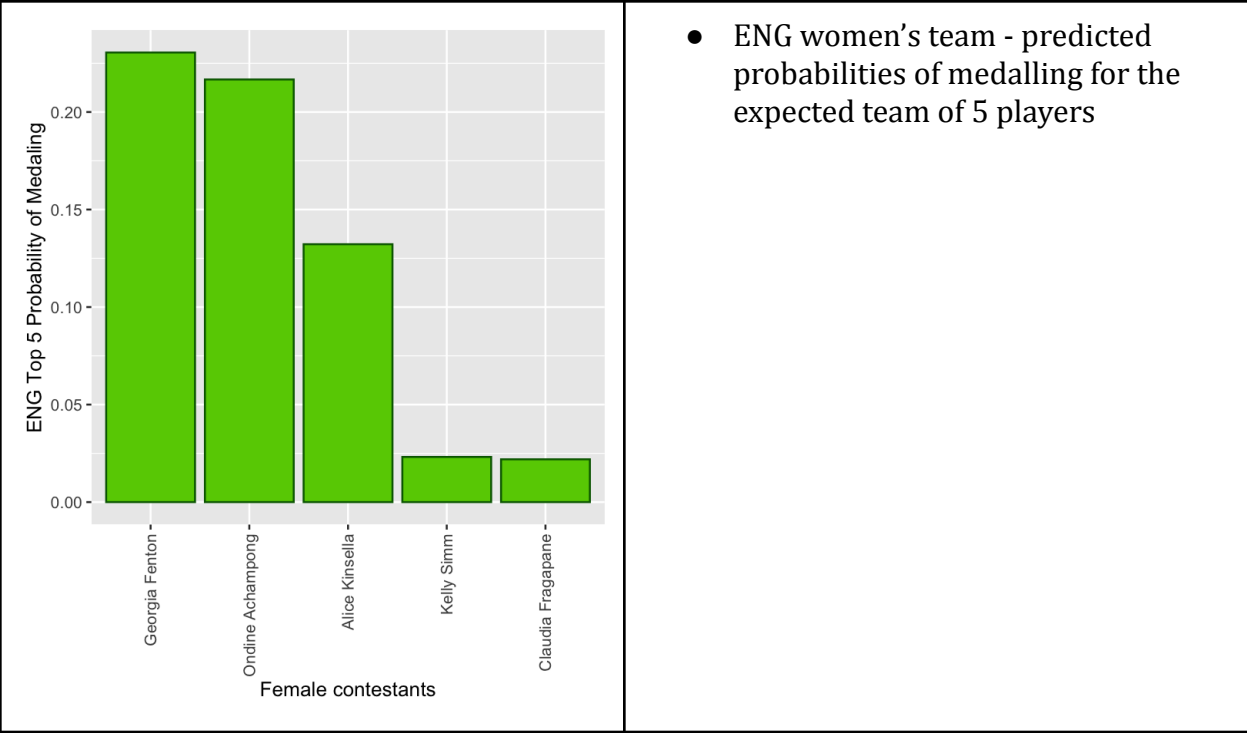
- USA's top female players (all around)



- USA women's team - predicted probability of medalling for the expected team of 5 players

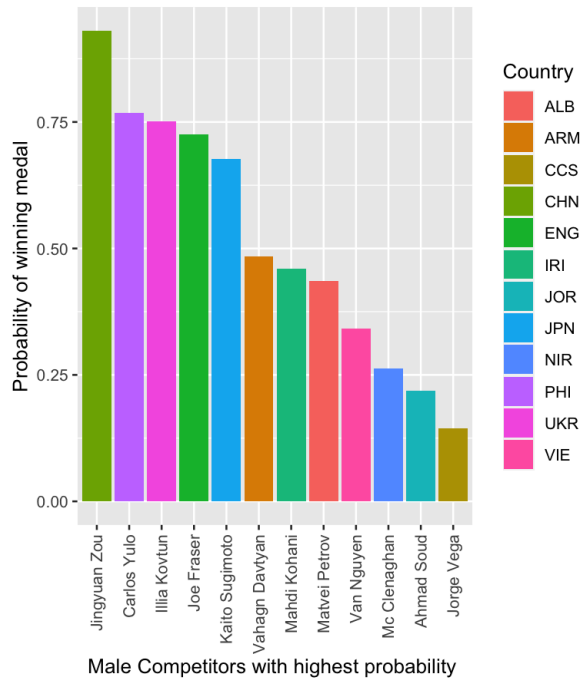


- CAN women's team - predicted probabilities of medalling for the expected team of 5 players

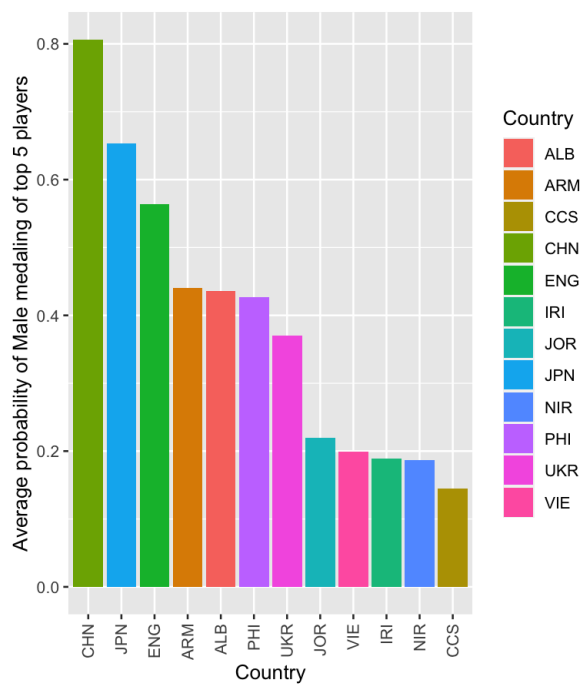


Men's Team

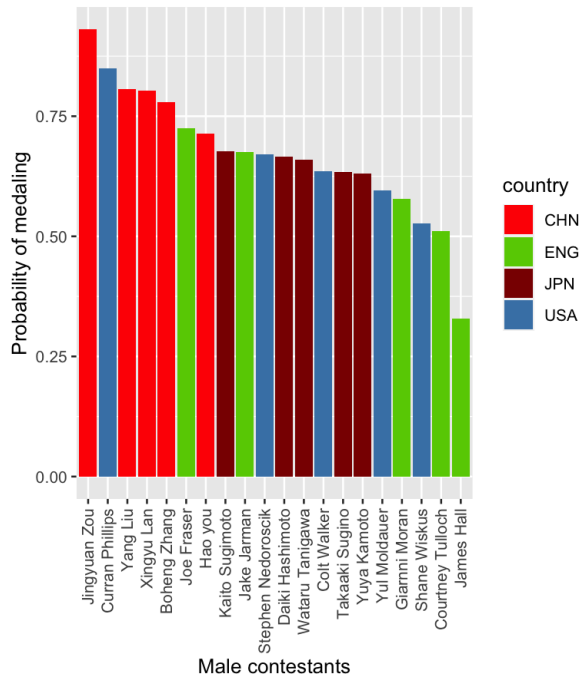
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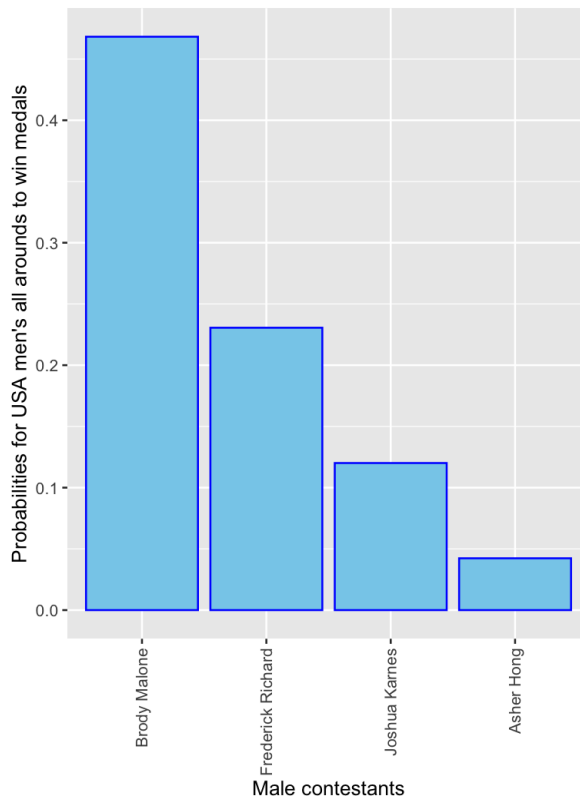
- Male Competitors with the highest predicted probabilities of medalling within their country ranked in descending order by the predicted probabilities



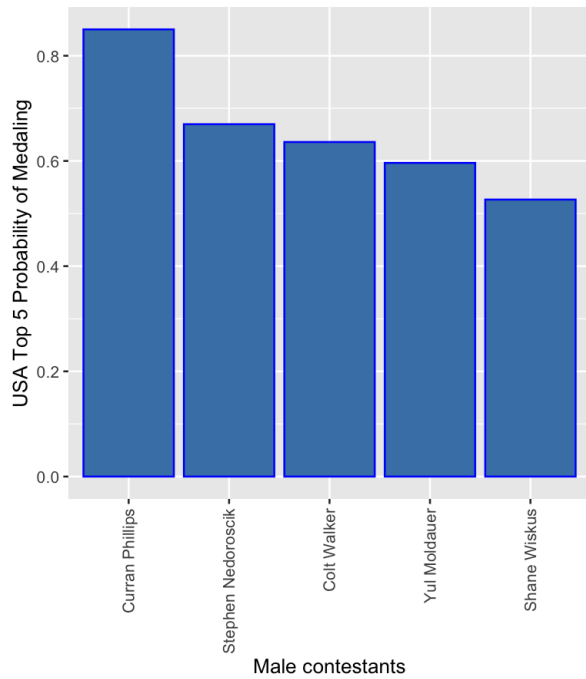
- From the top 5 male competitors within each of the countries, we average the predicted probabilities of medalling of the competitors and let that be the representation of the average predicted probability of medalling for that country



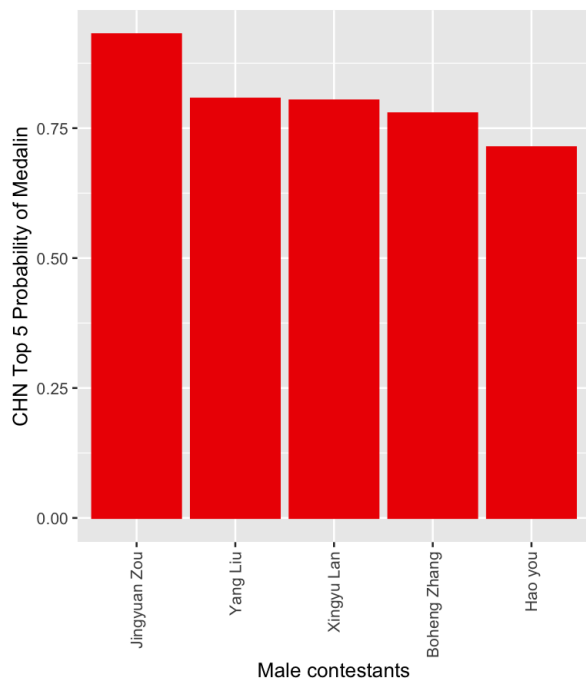
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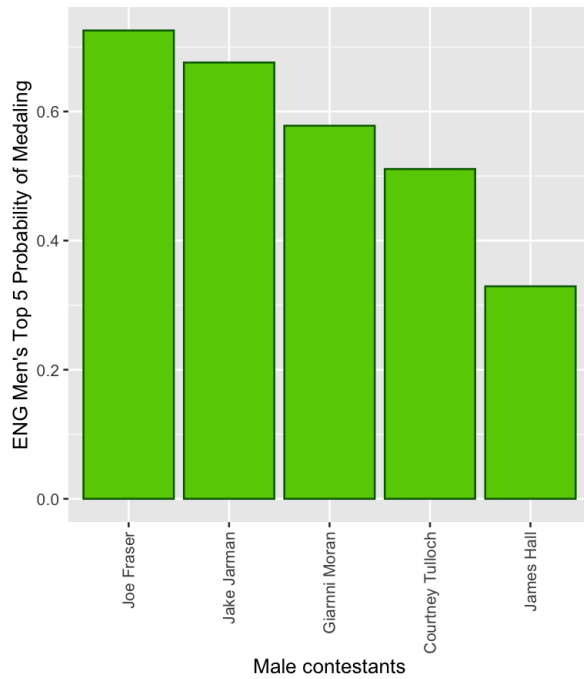
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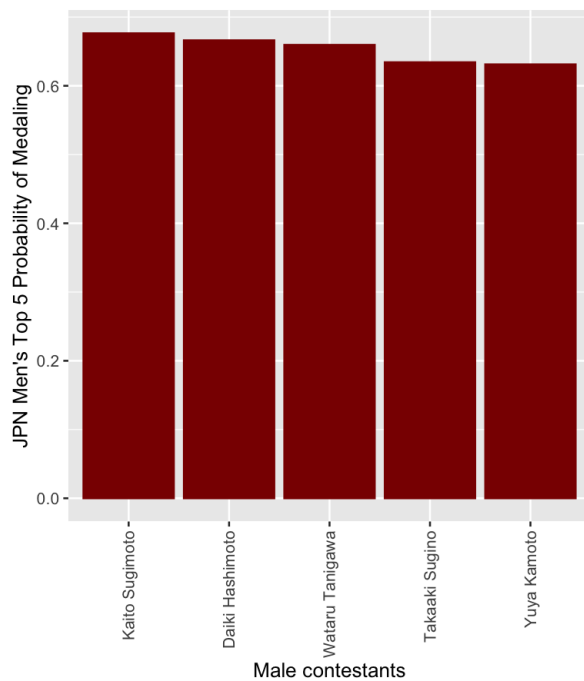
- USA men's team - predicted probabilities of medalling for the expected team of 5 players



- CHN men's team - predicted probabilities of medalling for the expected team of 5 players



- ENG men's team - predicted probabilities of medalling for the expected team of 5 players



- JPN men's team - predicted probabilities of medalling for the expected team of 5 players