

## Exploring Minigame Demographics

- Plots average change in skill score density of each gender faceted with the different minigames and race
- Motivated to find groups that struggled in certain minigames
- Significant differences in the Knowledge density plots, specifically Caucasian male and female plots


## Which students need attention?

~ $52 \%$ of students scored $60 \%$ or higher in the knowledge minigame.

From a random forest model using only gender, ethnicity, and action efficiency, we can identify students who scored below 60\% with $66 \%$ accuracy

Accuracy improves to 73\% if we add improvement rates for other skills to the model


