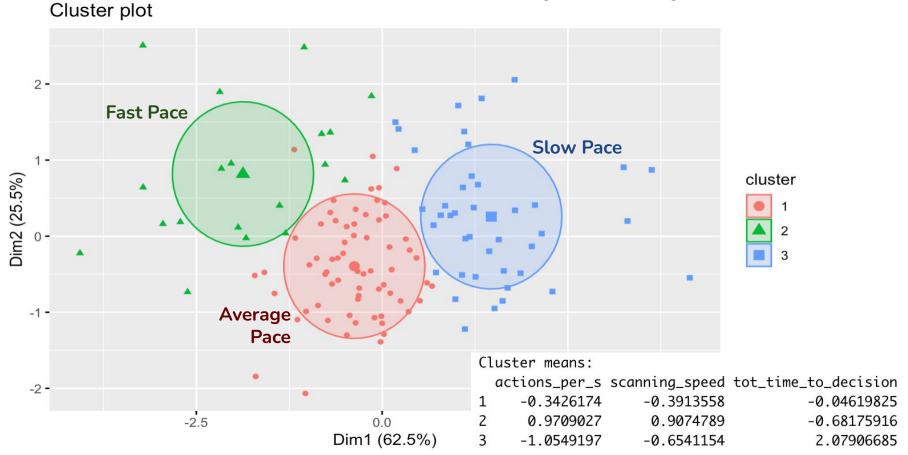
Determining Player Types and Their Performance

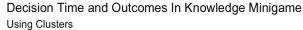
Using K-Means Clustering and Logistic Regression

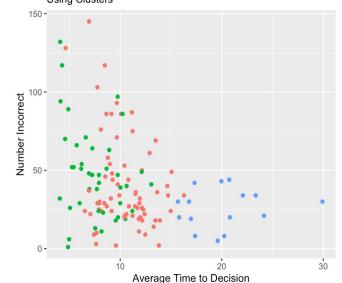
Alan Zhou and Aditya Bhalla Team Chirp B4 DataFest2022 @ UCLA

How Do Different Players Play?



How Do These Types of Players Perform?

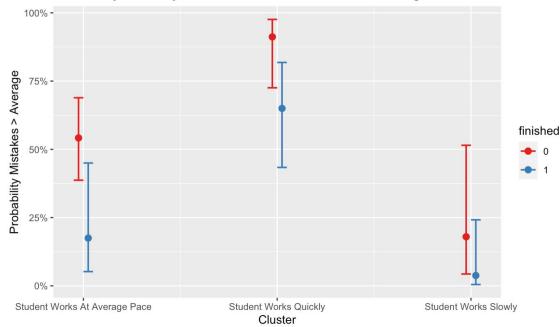




Cluster

- Student Works At Average Pace
- Student Works Quickly
- Student Works Slowly

Probability that Player Makes More Mistakes Than Average



Coefficients:

		Estimate	Std. Error	z value	Pr(> z)	
(Intercept)		-5.373e+00	1.153e+00	-4.659	3.18e-06	***
ClusterStudent Works (Quickly	2.169e+00	7.140e-01	3.039	0.00238	**
ClusterStudent Works S	Slowly	-1.685e+00	8.647e-01	-1.949	0.05129	
time		1.836e-04	3.713e-05	4.945	7.60e-07	***
finished1		-1.718e+00	6.883e-01	-2.496	0.01257	*
