### Cancer Immunotherapy Grand Data Science Challenge

My Scoring Strategy is “winner takes it all”.

It will benefit the gene company most.

Function :

Suppose there are 20 participations whose name is A, B, C…

The company will take top 10 genes for each participation.

For A, it’s A1, A2 … A10.

For B, it’s B1, B2 … B10.

After test in the lab, we will get a report for 20\*10 (or less) genes.

From those 200 genes, the lab could take 10 best genes, which they would use for further test or maybe publish papers about these genes. let’s call these 10 best genes “star gene”.

If A have 3 “star genes” in his top 10 gene list. A’s score is 3.

If A and B have same score, they have same ranking.

Why this Function

Suppose we have 200 genes’ report. But we only need 10. The other 190 genes’ score are not important, because we will never use these genes.

If A have auc 0.7 and B have auc 0.8 (in part a). But A have predicted 10 top genes, B have predicted 0 top genes. Obviously, A should win, because B’s predictions are useless for the company.