Colby Snoke
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To begin this project I began researching datasets on Kaggle. I play Fortnite a lot with my family

and friends. I always get asked "what guns should I use" or "should I use this gun or this gun?" I came

across a dataset that seemed like it would be perfect to answer my questions. I downloaded the dataset as

a csv onto my laptop. I then created a jupyter notebook to run my analysis in. I then imported the pandas

series into my notebook, enabling me to load the dataset from my computer into my notebook. From there

I began my exploratory analysis. During this step I made sure all of the data was in the notebook. I also

debated cleaning the data so that I would only do an analysis on the current season Fortnite is in.

However, I decided against this because the current season recently ended and all the research wouldn't be

helpful since there are all new guns in the current season. I then began conducting my analysis. I began

with simple questions such as which weapon has the quickest reload time. I was expecting to get the result

of a weapon but instead was surprised to see that the harvesting tool and grenade were both the quickest. I

then wanted to know if there was a clear "best" gun that I should be using and didn't know about. I

checked to see if any gun(including bow and arrows) had the quickest reload time, largest magazine, and

fastest fire rate. Thankfully there was no gun that I was missing out on that had all three. Then I began

focusing on the recurring questions. I began comparing shotguns to submachine guns. For this I compared

reload time because it always seems like I'm being killed while reloading. The reload time was calculated

by how long it takes to refill the gun completely. The submachine gun reloads fully almost twice as fast as

the shotgun. I normally use shotguns, but will most likely change that in the future if there are still

shotguns and submachine guns. Next I wanted to know which Assault Rifle I should use? I'm pretty

accurate when using an assault rifle, therefore I multiplied the damage by the amount in each magazine.

This led me to the conclusion that the best assault rifle from this dataset was not in the last chapter. Lastly,

the question I get the most is should I use the rapid fire submachine gun or the suppressed submachine

gun. For this I compared the average DPS(damage*fire rate) between every rarity of both guns. I

normally use the suppressed submachine gun, but my analysis discovered that I should be using the rapid

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fire submachine gun. I look forward to using the knowledge I gained from this assignment to hopefully

help me in the future. I also hope that this dataset gets updated so that I can use it in future seasons of

Fortnite.