**Q:What do you notice as a trend with these Monte Carlo simulations?**

A: Both options appear to be right around 50% likelihood for reaching the desired goal, however the storefront is slightly more likely to reach their goal. The storefront likelihood is usually over 50% while the food truck is usually slightly less than 50% The storefront also appears to have a lower variance in profit, while the food truck profit fluctuates wildly.

**Q:Which investment would you recommend for your fried food company?**

A: We would recommend the storefront if they do not want the risk. It is more likely to succeed and has a smaller range for potential profit.

**Q:Make a case for why your investors would want to invest in the other project as well.**

A: The food truck is a higher risk, but also a higher reward. The food truck can make the business more money, but there is a less likely chance for it to meet their goal. \

**Trials**

**n=100**

Storefront reached goal 50/100 times

Food Truck reached goal 44/100 times

Store front:

Max profit= $174,000

Min profit=$127,000

Average profit=$149,330

Food Truck:

Max profit=$217,000

Min profit=$87,000

Average profit=$144,140

**n=1000**

Storefront reached goal 530/1000 times

Food truck reached goal 472/1000 times

Store front:

Max profit= $177

Min profit=$124,000

Average profit=$150,124

Food Truck:

Max profit=$218,000

Min profit=$76,000

Average profit=$147,993

**n=10000**

Storefront reached goal 5181/10000 times

Food truck reached goal 4705/10000 times

Store front:

Max profit= $183,000

Min profit=$114,00

Average profit=$149,864

Food Truck:

Max profit=$231,000

Min profit=$49,000

Average profit=$147,706