Summary

1. **Use your data to determine whether the mean or the median summarizes the data more meaningfully**

|  |  |
| --- | --- |
| **Statistics for Successful Outcomes** |  |
| Mean | 194.4251716 |
| Median | 62 |
| Minimum | 1 |
| Maximum | 26457 |
| Standard Deviation | 844.2991098 |
| Variance | 712840.9867 |

For the above, for the successfully outcomes, the mean and Standard deviation are distance apart. This is supposed to show how close the outcomes are to the mean. It is not close and spread insignificantly over a wide range. Also, the variance is just too wide, point it to the fact that the outcomes are not alike.

|  |  |
| --- | --- |
| Statistics for **failed Outcomes** |  |
| Mean | 17.70980392 |
| Median | 4 |
| Minimum | 0 |
| Maximum | 1293 |
| Standard Deviation | 61.42655508 |
| Variance | 3773.221669 |

The same explanation is applicable to the failed outcome. The mean is 17 and STDev is 63. Not too wide as compared to the case of the successful outcome as explained above. This can be attributed to the fact that there were more successful backers and little failed out comes.

1. **Use your data to determine if there is more variability with successful or unsuccessful campaigns. Does this make sense? Why or why not?**

The distribution is realistic, it does not show a normal distribution but can be said to be a good trend as it indicated more success than failure.