

Proportion Test

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```
1  # imports and packages
2  import matplotlib.pyplot as plt
3  from scipy import stats
4  from statsmodels.stats.proportion import proportions_ztest,proportions_chisquare

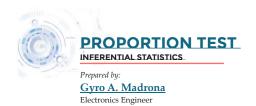
Python
```

1-Proportion Test

2 Proportion Test

```
# circuit board defects proportion bar graph
board_A = (success_A/sample_A)*100
board_B = (success_B/sample_B)*100

plt.bar(['Board A','Board B'],[board_A,board_B])
plt.show()
```



ANOM

```
1 # circuit board defects proportion bar graph
2 board_A = (success_A/trial_A)*100
3 board_B = (success_B/trial_B)*100
4 board_C = (success_C/trial_C)*100
5
6 plt.bar(['Board A','Board B','Board C'],[board_A,board_B,board_C])
7 plt.show()
Pythor
```