

readme

First, install the dependencies with `pip install -r requirement.txt`

Then, run the script with `python3 dl.py`. The script will generate the following files:

- `ms_location.png` shows the plot of 50 mobile devices in the central cell.
 - `shannon_capacity.png` shows the plot of shannon capacity of 50 mobile devices.
 - The calculation will be mentioned in the report.
 - `miss_rate_CBR.png` is the histogram (consists of 3 bars) of bit miss rate under the constant traffic load of low, medium and high load.
 - Their respective traffic rate will be mentioned in the report.
 - `miss_rate_poisson.png` is the histogram (consists of 3 bars) of bit miss rate under the traffic sampled from poisson distribution of parameter λ determined by low, medium and high load.
 - Their respective parameter for the poisson distribution sampled will be mentioned in the report.
- `helper.py` doesn't need to be ran, it contains helper functions for the scripts.