2PEM-100A

PRACTICE 1_1

First steps using matlab

More information:

https://2pem100a.blogspot.com/

More examples:

https://github.com/vasanza/Matlab Code/tree/Electrical-Systems-Simulation

Dataset:

http://ieee-dataport.org/8630

Example 1:

Example 2:

```
clear;clc;
A=[1 2 3 4];
B=[5 6 7 8];
C=A+B
C = 1×4
6 8 10 12
```

Example 3: Generating random data

Example 4: Statistical information of the data

max(data)

ans = 239.8780

min(data)

ans = 0.1254

datastats(data)

ans = struct with fields:
 num: 1000
 max: 239.8780
 min: 0.1254
 mean: 117.3198
 median: 117.4587
 range: 239.7526
 std: 67.9781

Example 5: Graphing data

plot(data)

