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***COLLEGE OF APPLIED ENGINEERING
ELECTRICAL ENGINEERING DEPARTMENT
EE315 PROJECT FINAL PRESENTATION***

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OUTLINE

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- Introduction
- Methodology
- WIFI , 3G and 4G
 - Download speeds measurement
 - Parameters (histogram , average , cross correlation, etc)
 - Results Map
- Conclusion

Introduction & Methodology

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- Objective
- Strategy

WIFI

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WIFI Download speed in Different locations in the campus

2.5 Mbps (Central Library)	3.31 Mps (B6)
6.48 Mbps (Central Library)	6.78 Mbps (B6)
4.74 Mbps (Central Library)	2.7 Mps (B6)
4.29 Mbps (students' Restaurant)	2.6 Mbps (B822)
3.64 Mbps (B.59)	463 kbps (B.24)
3.42 Mbps (B.59)	117 kbps (B24)
4.6 Mps (B59)	4.55 Mbps (B17)
3.12 Mps (B59)	3.46 Mbps (B7)
2.6 Mbps(B822)	6.18 Mbps (B7)
	1.75 Mbps (B21)

WIFI

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Avg= 3.356
Mbps

Avg= 4.08
Mbps



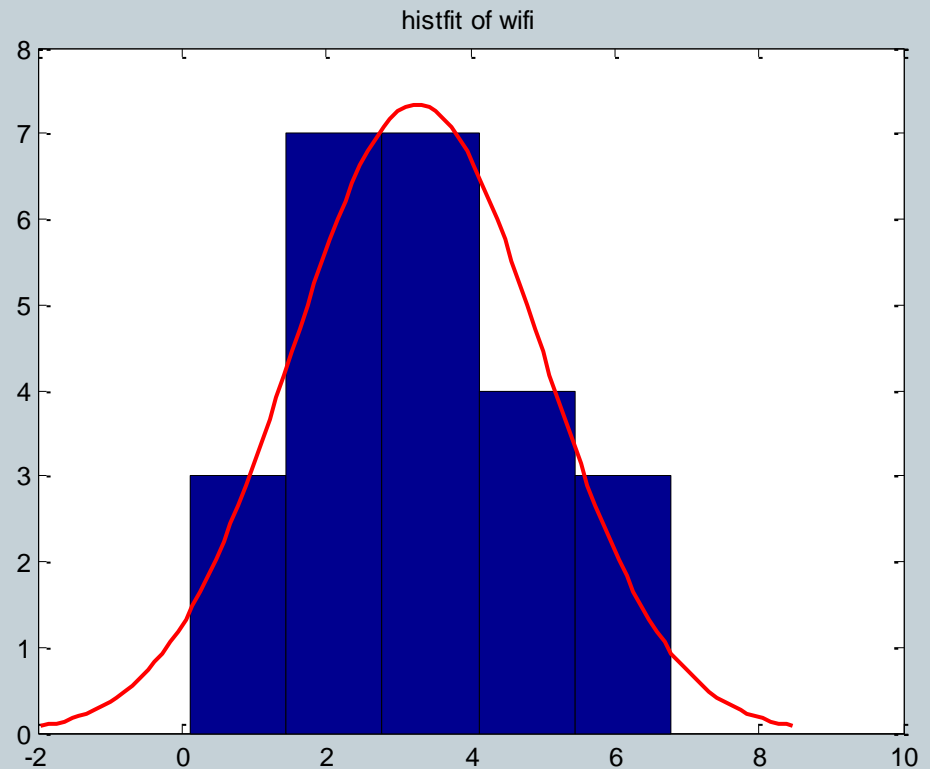
WIFI

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Mean = 3.2617

Variance = 3.0187

Corrcoef = 1



Can be described as Gassuan pdf

3G

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3G Download speed in Different locations in the campus

4.16 Mbps (B817)	2.89 Mbps (B59)	2.42 Mbps (B8)
4.04 Mbps (B817)	2.67 Mbps (B59)	2.34 Mbps (B8)
3.15 Mbps (B817)	2.85 Mbps (B59)	3.18 Mbps (B8)
4.01 Mbps (B817)	1.27 Mbps (B59)	4.01 Mbps (B8)
5.15 Mbps (B817)	3.42 Mbps (B59)	3.55 Mbps (B8)
1.78 Mbps (B817)	2.51 Mbps (B59)	3.32 Mbps (B8)
3.48 Mbps (B817)	2.64 Mbps (B59)	5.2 Mbps (B8)
2.35 Mbps (B817)	2.17 Mbps (B59)	3.22 Mbps (B8)
3.11 Mbps (B817)	2.68 Mbps (B59)	2.75 Mbps (B8)
2.05 Mbps (B817)	2.66 Mbps (B59)	4.51 Mbps (B8)



Avg=
3.3280
Mbps

Avg=
2.63
Mbps

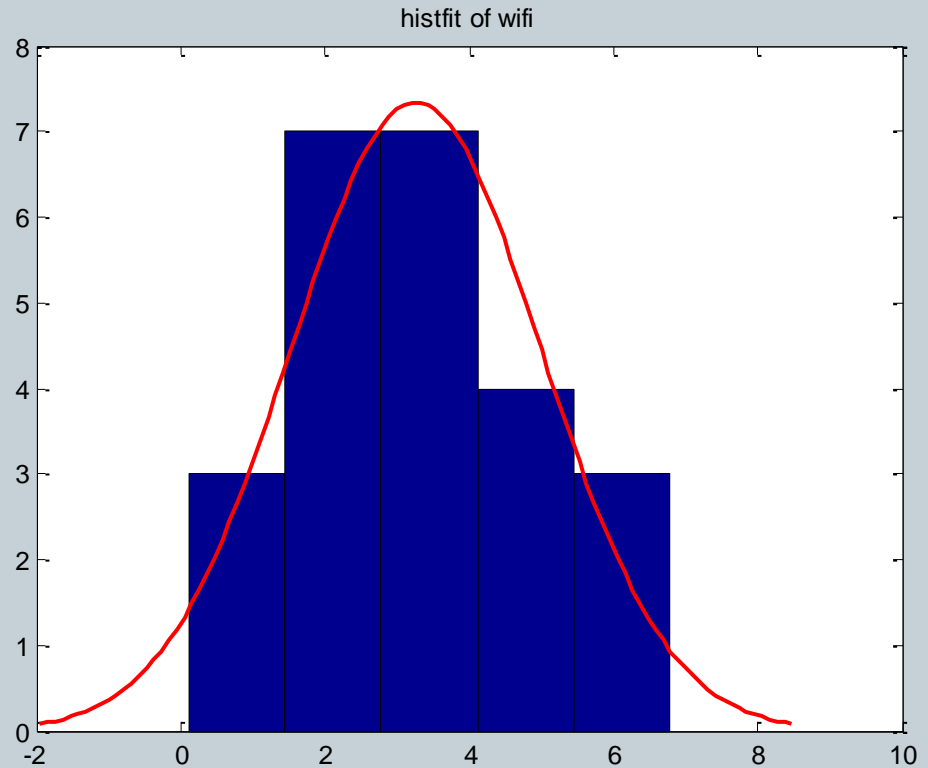
Avg=
3.5130
Mbps

We are here!

3G parameters

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mean = 3.1570
variance = 0.8440
corrcoef = 1



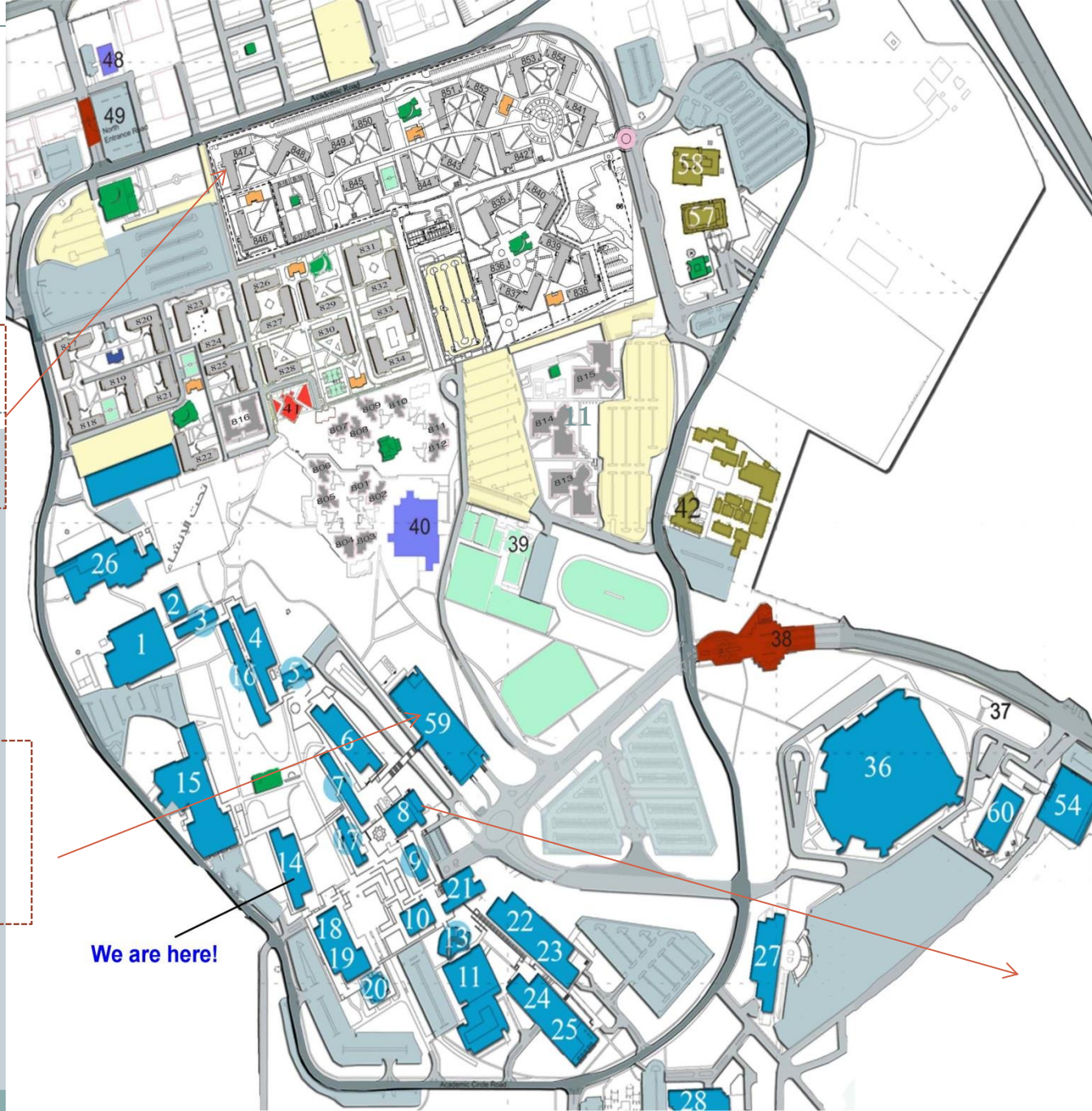
Can be described as Gassuan pdf

4G

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4G Download speed in Different locations in the campus

7.9 Mbps (B59)	6.2Mbps (B847)	6.3Mbps(B8)	6.9Mbps(B8)
8.0 Mbps (B59)	6.9 Mbps (B847)	7.1Mbps(B8)	7.0Mbps(B8)
6.6 Mbps (B59)	6.5 Mbps (B847)	7.0Mbps(B8)	7.3Mbps(B8)
6.2 Mbps (B59)	6.7Mbps(B847)	7.7Mbps(B8)	6.5Mbps(B847)
6.6 Mbps (B59)	6.3Mbps(B847)	7.3Mbps(B8)	6.6Mbps(B847)
5.9 Mbps (B59)	7.8Mbps(B847)	6.9Mbps(B8)	5.8 Mbps (B59)
6.2 Mbps (B59)	6.5Mbps(B847)	8.0Mbps(B8)	5.3 Mbps (B59)
6.5 Mbps (B59)	7.9Mbps(B847)	7.5Mbps(B8)	7.3Mbps(B8)
7.2 Mbps (B59)	5.2Mbps(B847)	6.3Mbps(B8)	6.6Mbps(B847)
7.9 Mbps (B59)	8.3Mbps(B847)	6.5Mbps(B8)	5.3 Mbps (B59)
6.5 Mbps (B59)	6.4Mbps(B847)	6.1Mbps(B8)	7.3Mbps(B8)
6.7 Mbps (B59)	7.6Mbps(B847)	6.0Mbps(B8)	6.5Mbps(B847)



AVG=
6.7667
Mbps

Avg=
6.6933
Mbps

We are here!

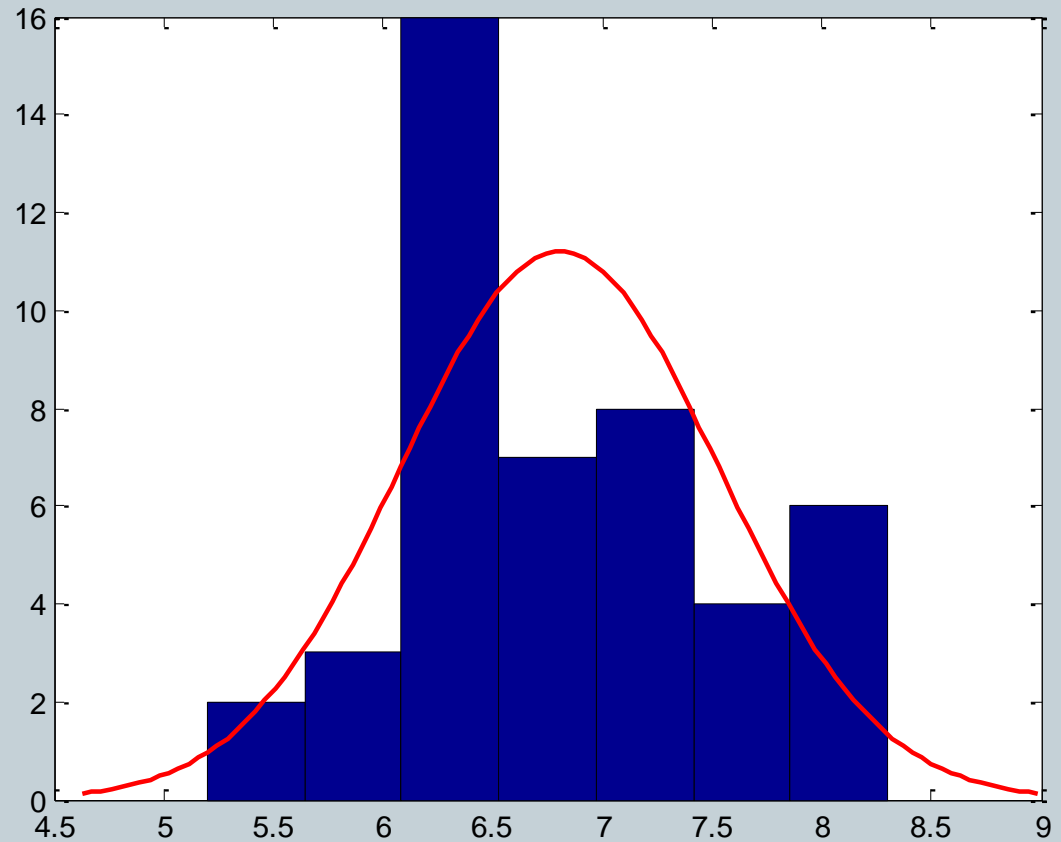
Avg =
6.9500

Mean=6.8065

variance = 0.5273

corrcoef=1

xcorr=1.0e+03 *



Can be described as Gassuan pdf

Conclusion

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