

# CS425 Assignment 1

Divyansh  
210355

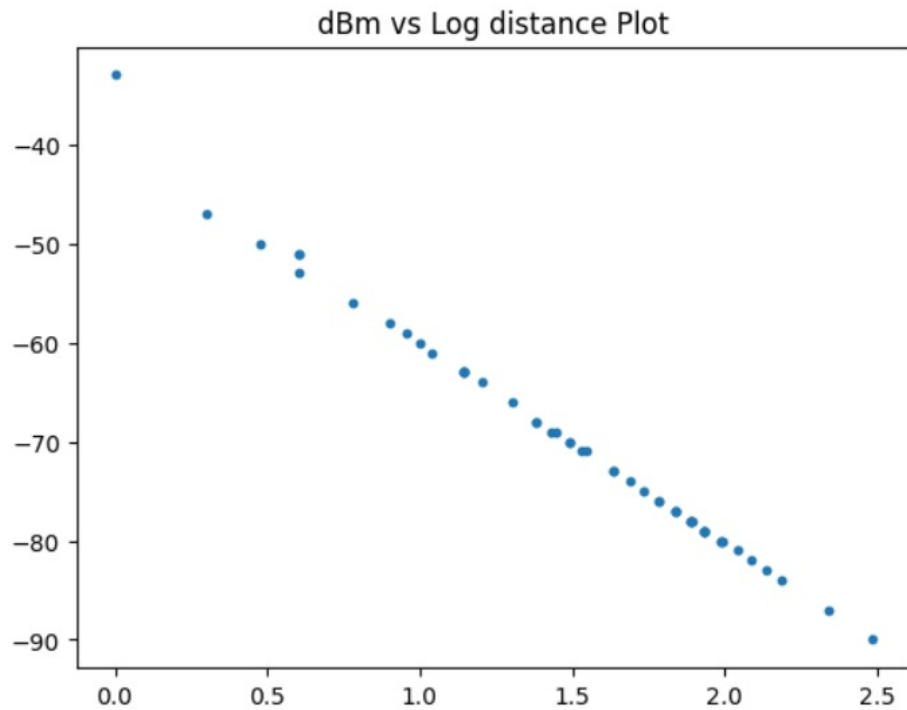
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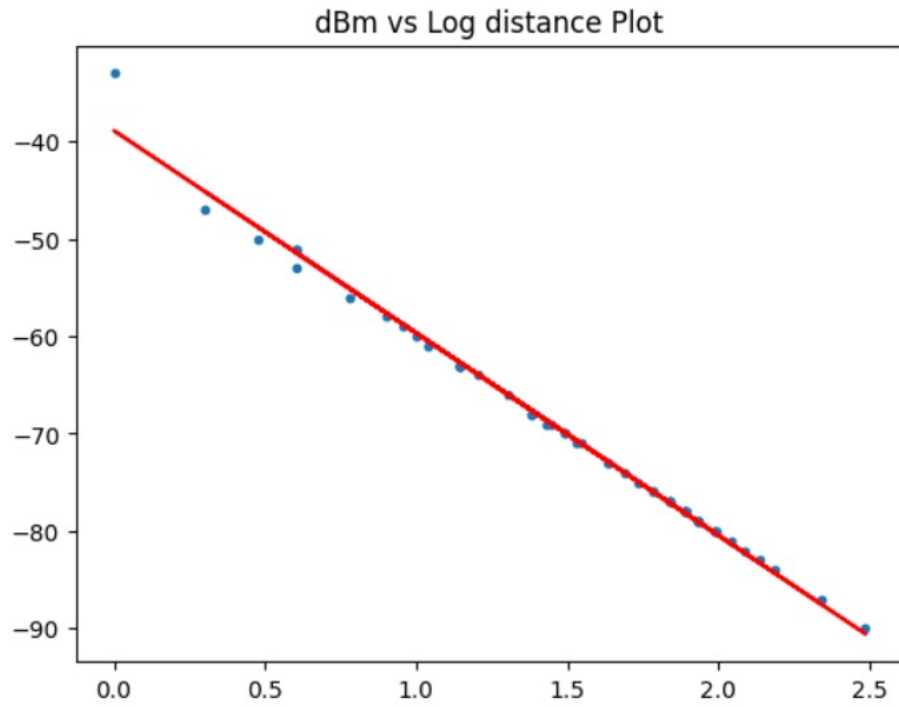
## 1 Finding the Path Loss Exponent

Slope of the best fit line = -20.799046461696204

Path Loss Exponent = 2.0799046461696205

Variance = 0.9505361827733593





## 2 Range Estimation

Actual Distance	Calculated Distance	Error
34	34.55668463828883	0.5566846382888286
110	104.54983251964585	5.450167480354153
27	27.69324292426793	0.6932429242679312
122	116.7891422027112	5.210857797288796
61	60.10736719710251	0.8926328028974879

Average Error = 2.56071712861943934