# Data Simulation Script

Units sold: normal distribu on
=norminv(rand(), 35, 10)

- Mean: 35
- SD: 10

Price: discrete distribution
Create a random column first =rand()
=IF(B2 <( 0.13), 14, IF(B2< (0.42), 17, IF(B2<(1),22,)))

- 58% price is $22
- 29% price is $17
- 13% price is $14

Cost: uniform distribution
=rand()*40 + 55

- Max: $55
- Min: $40

Resource Factor: normal distribution
=norminv(rand(), 4, 2)

- Mean: 4
- SD: 2

Profit: =E2*(A2*C2)-((0.2)*(E2)*(A2)*(D2))+320