

## Data Simulation Script

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Units sold: normal distribution

=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

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