

Aircraft capacity

100

| Full fare | No-Show | Frequency | Probability | P(N<X) |
|-----------|---------|-----------|-------------|--------|
| 50        | 50      | 15        | 0.15        | 0.00   |
| 55        | 45      | 20        | 0.20        | 0.15   |
| 60        | 40      | 35        | 0.35        | 0.35   |
| 65        | 35      | 20        | 0.20        | 0.55   |
| 70        | 30      | 10        | 0.10        | 0.65   |
|           |         |           |             |        |
|           |         |           |             |        |

169

Cu

80

89

Co

89

80

P

0.473373

| No-Show | Probability |
|---------|-------------|
| 0       | 0.15        |
| 1       | 0.25        |
| 2       | 0.30        |
| 3       | 0.30        |

| No-Show | Probability | $P(N < X)$ |
|---------|-------------|------------|
| 0       | 0.15        | 0.00       |
| 1       | 0.25        | 0.15       |
| 2       | 0.30        | 0.40       |
| 3       | 0.30        | 0.70       |