

LOST - STATISTICAL MEASURES

We will be using OpenOffice calc v3.2, user interface language turned to English (UK)

The number of viewers of each episode (in millions) of the first four seasons of LOST, an American drama TV series, are shown in four different tables.

Open a blank spreadsheet, enter the data in four separate columns.

Use the « Chart wizard » to represent each set of data by a separate scatter plot.

Use the « Function wizard » to compute the mean, median, 1st and 3rd quartiles for each distribution.

Use all these tools and values to compare the four seasons. Which season was the most successful, which one pleased – and kept – its viewers the most ?

The answers should be detailed, motivated and nuanced in a report of length approximately one page, due next week.

Season 1	
episode #	Viewers (millions)
1	18.6
2	17
3	16.5
4	18.2
5	16.8
6	16.8
7	18.7
8	18.4
9	17.6
10	17.2
11	18.9
12	21.6
13	20.8
14	19.7
15	19.5
16	17.9
17	19.5
18	18.9
19	17.8
20	17.1
21	17.2
22	17.1
23	18.6
24	20.7

Season 2	
episode #	Viewers (millions)
1	23.5
2	23.2
3	22.4
4	21.7
5	21.4
6	20
7	21.9
8	19.3
9	21.5
10	20.6
11	19.1
12	19.1
13	18.7
14	18.2
15	16.4
16	15.3
17	16.2
18	16.4
19	15.7
20	15.6
21	16.4
22	14.7
23	17.8

Season 3	
episode #	Viewers (millions)
1	18.8
2	16.9
3	16.3
4	17.1
5	16.1
6	17.1
7	14.5
8	12.8
9	13
10	12.8
11	12.5
12	12.5
13	12.2
14	11.5
15	11.7
16	12.1
17	12.1
18	11.9
19	12.3
20	12.1
21	12.3
22	13.9

Season 4	
episode #	Viewers (millions)
1	17.8
2	17
3	15.6
4	15.4
5	15
6	14.9
7	13.8
8	13.4
9	14.1
10	12.9
11	13
12	13.1
13	14