

3. An industrial engineer is investigating the usefulness of two different simulation languages. Sixteen programmers were asked to setup and code a standard simulation in both languages, and the time in minutes was recorded. The data and plot are shown below:

Programmer	Design Language A	Design Language B	Difference
1	23	23	0
2	15	15	0
3	18	9	9
4	21	22	-1
5	21	19	2
6	21	20	1
7	23	23	0
8	14	15	-1
9	19	17	2
10	18	10	8
11	17	16	1
12	18	17	1
13	17	17	0
14	21	21	0
15	18	19	-1
16	22	16	6
Mean	19.125	17.44	1.688
Std.Dev.	2.705	4.08	3.156