

Activity 4

12306244

Parth Sharma

Data Set –

Height (cm)	Shoe Size (US)	BIN
150	6	1
155	6.5	2
160	7	3
162	7.5	4
165	8	5
167	8.5	6
170	9	7
172	9.5	8
175	10	9
178	10.5	10
180	11	11
182	11.5	12
185	12	13
188	12.5	14
190	13	15
140	5.5	16
145	6	17
158	7	18
163	7.5	19
168	8.5	20
173	9.5	21
176	10	22
179	10.5	23
181	11	24
186	12	25
191	13.5	26
195	14	27
198	14.5	28
160	7	29
170	9	30

With Histogram and With f(x)–

Bin	Frequency
1	0
2	0
3	0
4	0
5	0
6	3
7	4
8	3
9	4
10	4
11	4
12	3
13	2
14	2
15	1
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0

Bin	Frequency	f(x)
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	3	0.1
7	4	0.133333
8	3	0.1
9	4	0.133333
10	4	0.133333
11	4	0.133333
12	3	0.1
13	2	0.066667
14	2	0.066667
15	1	0.033333
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25	0	0
26	0	0
27	0	0
28	0	0
29	0	0
30	0	0
More	0	
SUM	30	

Mean And Standard Deviation

```
=GEOMEAN(B2:B31)
```

```
=STDEV.P(B2:B31)
```

MEAN	9.270975
S.D	2.494661

Normal Distribution

```
=NORM.DIST(E2+0.5,K$2,K$3,TRUE)-NORM.DIST(E2-0.5,K$2,K$3,TRUE)
```



