

Godfrey Drive Speed Study

Combined Totals

Speed, mph	Number of Observations, n	Middle Speed, s	$n \times s$	$n \times s^2$	Cumulative	Cumulative Frequency
9	4	9	36	324	4	0.5%
10	5	10	50	500	9	1.1%
11	9	11	99	1089	18	2.2%
12	4	12	48	576	22	2.7%
13	9	13	117	1521	31	3.8%
14	11	14	154	2156	42	5.1%
15	14	15	210	3150	56	6.8%
16	18	16	288	4608	74	9.0%
17	24	17	408	6936	98	11.9%
18	37	18	666	11988	135	16.4%
19	32	19	608	11552	167	20.3%
20	54	20	1080	21600	221	26.9%
21	65	21	1365	28665	286	34.8%
22	77	22	1694	37268	363	44.2%
23	67	23	1541	35443	430	52.3%
24	80	24	1920	46080	510	62.0%
25	69	25	1725	43125	579	70.4%
26	56	26	1456	37856	635	77.3%
27	58	27	1566	42282	693	84.3%
28	35	28	980	27440	728	88.6%
29	38	29	1102	31958	766	93.2%
30	31	30	930	27900	797	97.0%
31	10	31	310	9610	807	98.2%
32	5	32	160	5120	812	98.8%
33	5	33	165	5445	817	99.4%
34	4	34	136	4624	821	99.9%
35	0	35	0	0	821	99.9%
36	1	36	36	1296	822	100.0%

822 18850 450112

Mean 22.932 mph
s 4.662 mph
85% 28 mph
Median 23 mph
Mode 24 mph

Standard 25 mph
 0.444
Mean + s 27.594 Normal Dist = 84.13%
Mean - s 18.270 Normal Dist = 15.87%
z* 1.460

29.739 85% Limits
16.125

