

Graduate Statistics

Frequency Distributions and Graphs



9/2/2006

P166 Tables & Graphs

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What We Will Cover in This Section

- Introduction
- Frequency Distributions
- Graphs



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Table 1. Scores on the DCS test. (N=20)

Score	Frequency (f)	%	Cum % Percentile
17	1	5	100
16	0	0	95
15	4	20	95
14	5	25	75
13	4	20	50
12	3	15	30
11	2	10	15
10	1	5	5

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Common Statistics

- Frequency
 - The number of people who got a certain score.
 - Symbolized with f .
- Number
 - The total count of observations in a sample.
 - Symbolized with N .
- Percentile
 - The percent of people who got a score and lower.
 - Symbolized with P_n .

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Table 2. Scores on the PDQ test. (N = 50)

Score	Frequency (f)	Cum f	Cum % Percentile
94-96	1	50	100.00
91-93	1	49	98.00
88-90	6	48	96.00
85-87	10	42	84.00
82-84	6	32	64.00
79-81	6	26	52.00
76-78	6	20	40.00
73-75	2	14	28.00
70-72	5	12	24.00
67-69	5	7	14.00
64-66	0	2	4.00
61-63	2	2	4.00

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Stem and leaf display (N=50)

Stem	Leaf
95	6
90	01
85	55666667788999
80	0011222344
75	5677788899
70	000223
65	78889
60	12

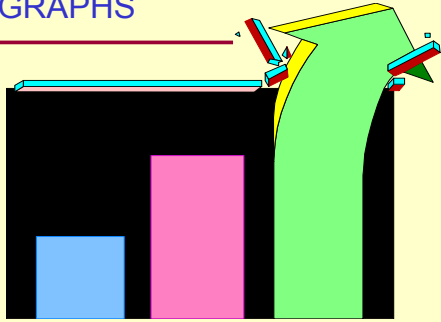
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GRAPHS

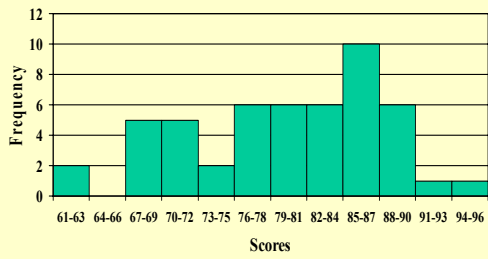


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Histogram Example

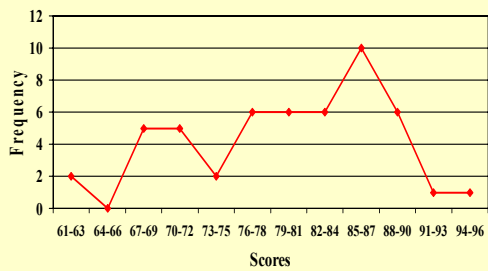


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Frequency Polygon Example



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