

Obs	year	yield	rain	catyield	catrain
1	1909	32.3	12.0	good	normal
2	1910	34.9	9.3	good	drought
3	1911	30.1	7.7	poor	drought
4	1912	36.9	11.0	good	normal
5	1913	26.8	6.9	poor	drought
6	1914	30.5	9.5	poor	drought
7	1915	33.3	16.5	good	wet
8	1916	29.7	9.3	poor	drought
9	1917	35.0	9.4	good	drought
10	1918	29.9	8.7	poor	drought
11	1919	35.2	9.5	good	drought
12	1920	38.3	11.6	good	normal
13	1921	35.2	12.1	good	wet
14	1922	35.5	8.0	good	drought
15	1923	36.7	10.7	good	normal
16	1924	26.8	13.9	poor	wet
17	1925	38.0	11.3	good	normal
18	1926	31.7	11.6	poor	normal
19	1927	32.6	10.4	good	normal

The FREQ Procedure

year	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1909	1	5.26	1	5.26
1910	1	5.26	2	10.53
1911	1	5.26	3	15.79
1912	1	5.26	4	21.05
1913	1	5.26	5	26.32
1914	1	5.26	6	31.58
1915	1	5.26	7	36.84
1916	1	5.26	8	42.11
1917	1	5.26	9	47.37
1918	1	5.26	10	52.63
1919	1	5.26	11	57.89
1920	1	5.26	12	63.16
1921	1	5.26	13	68.42
1922	1	5.26	14	73.68
1923	1	5.26	15	78.95
1924	1	5.26	16	84.21
1925	1	5.26	17	89.47
1926	1	5.26	18	94.74
1927	1	5.26	19	100.00

yield	Frequency	Percent	Cumulative Frequency	Cumulative Percent
26.8	2	10.53	2	10.53
29.7	1	5.26	3	15.79
29.9	1	5.26	4	21.05
30.1	1	5.26	5	26.32
30.5	1	5.26	6	31.58
31.7	1	5.26	7	36.84
32.3	1	5.26	8	42.11
32.6	1	5.26	9	47.37
33.3	1	5.26	10	52.63
34.9	1	5.26	11	57.89
35	1	5.26	12	63.16
35.2	2	10.53	14	73.68
35.5	1	5.26	15	78.95
36.7	1	5.26	16	84.21

The FREQ Procedure

yield	Frequency	Percent	Cumulative Frequency	Cumulative Percent
36.9	1	5.26	17	89.47
38	1	5.26	18	94.74
38.3	1	5.26	19	100.00

rain	Frequency	Percent	Cumulative Frequency	Cumulative Percent
6.9	1	5.26	1	5.26
7.7	1	5.26	2	10.53
8	1	5.26	3	15.79
8.7	1	5.26	4	21.05
9.3	2	10.53	6	31.58
9.4	1	5.26	7	36.84
9.5	2	10.53	9	47.37
10.4	1	5.26	10	52.63
10.7	1	5.26	11	57.89
11	1	5.26	12	63.16
11.3	1	5.26	13	68.42
11.6	2	10.53	15	78.95
12	1	5.26	16	84.21
12.1	1	5.26	17	89.47
13.9	1	5.26	18	94.74
16.5	1	5.26	19	100.00

catyield	Frequency	Percent	Cumulative Frequency	Cumulative Percent
good	12	63.16	12	63.16
poor	7	36.84	19	100.00

catrain	Frequency	Percent	Cumulative Frequency	Cumulative Percent
drought	9	47.37	9	47.37
normal	7	36.84	16	84.21
wet	3	15.79	19	100.00

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of catyield by catrain				
	catyield	catrain			
		drought	normal	wet	Total
	good	4	6	2	12
		21.05	31.58	10.53	63.16
		33.33	50.00	16.67	
		44.44	85.71	66.67	
	poor	5	1	1	7
		26.32	5.26	5.26	36.84
		71.43	14.29	14.29	
		55.56	14.29	33.33	
	Total	9	7	3	19
		47.37	36.84	15.79	100.00

Statistics for Table of catyield by catrain

Statistic	DF	Value	Prob
Chi-Square	2	2.9010	0.2345
Likelihood Ratio Chi-Square	2	3.0822	0.2141
Mantel-Haenszel Chi-Square	1	1.2902	0.2560
Phi Coefficient		0.3907	
Contingency Coefficient		0.3639	
Cramer's V		0.3907	
WARNING: 83% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Sample Size = 19