Obs	ID	X1	X2	Х3	Х4	Х5	Х6	Х7	X8	Х9	X10	X11	X12	X13	X14	X15	X16	X17	X18	X19	X20	X21	X22	X23
1	1	2	0	1	1	1	8.5	3.9	2.5	5.9	4.8	4.9	6.0	6.8	4.7	4.3	5.0	5.1	3.7	8.2	8.0	8.4	65.1	1
2	2	3	1	0	0	0	8.2	2.7	5.1	7.2	3.4	7.9	3.1	5.3	5.5	4.0	3.9	4.3	4.9	5.7	6.5	7.5	67.1	0
3	3	3	0	1	1	1	9.2	3.4	5.6	5.6	5.4	7.4	5.8	4.5	6.2	4.6	5.4	4.0	4.5	8.9	8.4	9.0	72.1	1
4	4	1	1	1	1	0	6.4	3.3	7.0	3.7	4.7	4.7	4.5	8.8	7.0	3.6	4.3	4.1	3.0	4.8	6.0	7.2	40.1	0
5	5	2	0	1	0	1	9.0	3.4	5.2	4.6	2.2	6.0	4.5	6.8	6.1	4.5	4.5	3.5	3.5	7.1	6.6	9.0	57.1	0
6	6	1	1	0	1	0	6.5	2.8	3.1	4.1	4.0	4.3	3.7	8.5	5.1	9.5	3.6	4.7	3.3	4.7	6.3	6.1	50.1	0
7	7	1	1	1	1	0	6.9	3.7	5.0	2.6	2.1	2.3	5.4	8.9	4.8	2.5	2.1	4.2	2.0	5.7	7.8	7.2	41.1	0
8	8	2	0	1	1	0	6.2	3.3	3.9	4.8	4.6	3.6	5.1	6.9	5.4	4.8	4.3	6.3	3.7	6.3	5.8	7.7	56.1	0
9	9	2	1	1	1	0	5.8	3.6	5.1	6.7	3.7	5.9	5.8	9.3	5.9	4.4	4.4	6.1	4.6	7.0	7.5	8.2	56.1	1
10	10	1	0	1	1	0	6.4	4.5	5.1	6.1	4.7	5.7	5.7	8.4	5.4	5.3	4.1	5.8	4.4	5.5	5.9	6.7	59.1	0
11	11	3	0	1	0	1	8.7	3.2	4.6	4.8	2.7	6.8	4.6	6.8	5.8	7.5	3.8	3.7	4.0	7.4	7.0	8.4	68.1	0
12	12	1	0	1	1	0	6.1	4.9	6.3	3.9	4.4	3.9	6.4	8.2	5.8	5.9	3.0	4.9	3.2	6.0	6.3	6.6	53.1	0
13	13	1	1	0	0	1	9.5	5.6	4.6	6.9	5.0	6.9	6.6	7.6	6.5	5.3	5.1	4.5	4.4	8.4	8.4	7.9	58.1	1
14	14	3	1	0	0	1	9.2	3.9	5.7	5.5	2.4	8.4	4.8	7.1	6.7	3.0	4.5	2.6	4.2	7.6	6.9	8.2	72.1	1
15	15	2	0	1	1	1	6.3	4.5	4.7	6.9	4.5	6.8	5.9	8.8	6.0	5.4	4.8	6.2	5.2	8.0	7.0	7.6	62.1	1
16	16	3	0	0	0	0	8.7	3.2	4.0	6.8	3.2	7.8	3.8	4.9	6.1	5.0	4.3	3.9	4.5	6.6	6.4	7.1	71.1	0
17	17	2	1	0	1	1	5.7	4.0	6.7	6.0	3.3	5.5	5.1	6.2	6.7	5.4	4.2	6.2	4.5	6.4	7.5	7.2	50.1	1
18	18	2	0	1	1	0	5.9	4.1	5.5	7.2	3.5	6.4	5.5	8.4	6.2	6.3	5.7	5.8	4.8	7.4	6.9	8.2	58.1	1
19	19	2	1	1	1	0	5.6	3.4	5.1	6.4	3.7	5.7	5.6	9.1	5.4	6.1	5.0	6.0	4.5	6.8	7.5	7.9	55.1	0
20	20	3	0	1	1	0	9.1	4.5	3.6	6.4	5.3	5.3	7.1	8.4	5.8	6.7	4.5	6.1	4.4	7.6	8.5	8.8	67.1	1
21	21	1	0	0	1	0	5.2	3.8	7.1	5.2	3.9	4.3	5.0	8.4	7.1	4.6	3.3	4.9	3.3	5.4	5.5	7.0	50.1	0
22	22	3	1	1	1	1	9.6	5.7	6.8	5.9	5.4	8.3	7.8	4.5	6.4	6.5	4.3	3.0	4.3	9.9	9.6	9.9	70.1	1
23	23	2	0	0	0	1	8.6	3.6	7.4	5.1	3.5	7.3	4.7	3.7	6.7	6.0	4.8	3.4	4.0	7.0	7.1	8.1	60.1	0
24	24	3	0	1	1	1	9.3	2.4	2.6	7.2	2.2	7.2	4.5	6.2	6.4	4.2	6.7	4.4	4.5	8.6	8.1	8.0	65.1	1
25	25	1	0	0	1	0	6.0	4.1	5.3	4.7	3.5	5.3	5.3	8.0	6.5	3.9	4.7	5.3	4.0	4.8	4.9	5.5	55.1	0
26	26	2	0	1	1	0	6.4	3.6	6.6		4.0	3.9	5.3	7.1	6.1	3.7	5.6	6.6	3.9	6.6	6.8	7.0	58.1	0
27	27	3	0	0	0	0	8.5	3.0	7.2	5.8	4.1	7.6	3.7	4.8	6.9	6.7	5.3	3.8	4.4	6.3	7.1	7.0	70.1	0
28	28	1	1	0	1	0	7.0	3.3	5.4		2.6	4.8	4.2	9.0	6.5	5.9	4.3	5.2	3.7	5.4	5.5	5.6	55.1	0
29	29	3	0	0	0	0	8.5	3.0	5.7	6.0	2.3	7.6	3.7	4.8	5.8	6.0	5.7	3.8	4.4	6.3	6.9	7.2	70.1	0
30	30	1	1	1	1	0	7.6	3.6	3.0	4.0	5.1	4.2	4.6	7.7	4.9	7.2	4.7	5.5	3.5	5.4	5.5	6.2	52.1	0
31	31	1	1	0	0	1	6.9	3.4	8.5	4.3	4.5	6.4	4.7	5.2	7.7	3.3	3.7	2.7	3.3	6.1	6.8	7.1	44.1	0
32	32	1	0	1	1	0	8.1	2.5	7.2	4.5	2.3	5.1	3.8	6.6	6.8	6.1	3.0	3.5	3.0	6.4	5.8	6.2	51.1	0
33	33	1	1	1	1	0	6.7	3.7	6.5		5.3	5.1	4.9	9.2	5.7	4.2	3.5	4.5	3.4	5.4	6.5	7.6	44.1	0
34	34	2	1	1	1	0	8.0	3.3	6.1	5.7	5.5	4.6	4.7	8.7	5.9	3.8	4.7	6.6	4.2	7.3	7.5	9.0	62.1	1
35	35	1	0	1	1	0	6.7	4.0	5.2	3.9	3.0	5.4	6.8	8.4	6.2	6.0	2.5	4.3	3.5	6.3	6.6	6.7	54.1	0
36	36	1	0	0	0	0	8.7	3.2	6.1	4.3	3.5	6.1	2.9	5.6	6.1	6.5	3.1	2.9	2.5	5.4	4.6	7.1	51.1	0
37	37	2	0	0	0	1	9.0	3.4	5.9	4.6	3.9	6.0	4.5	6.8	6.4	4.3	3.9	3.5	3.5	7.1	8.0	7.2	57.1	0
38	38	3	0	1	1	1	9.6	4.1	6.2	7.3	2.9	7.7	5.5	7.7	6.1	4.4	5.2	4.6	4.9	8.7	9.9	9.9	77.1	1

Obs	ID	X1	X2	Х3	X4	X5	Х6	Х7	X8	Х9	X10	X11	X12	X13	X14	X15	X16	X17	X18	X19	X20	X21	X22	X23
39	39	2	1	1	1	0	8.2	3.6	3.9	6.2	5.8	4.9	5.0	9.0	5.2	7.1	4.7	6.9	4.5	7.6	6.9	7.6	65.1	1
40	40	1	0	0	1	0	6.1	4.9	3.0	4.8	5.1	3.9	6.4	8.2	5.1	6.8	4.5	4.9	3.2	6.0	5.5	5.8	53.1	0
41	41	2	1	1	1	0	8.3	3.4	3.3	5.5	3.1	4.6	5.2	9.1	4.1	1.7	4.6	5.8	3.9	7.0	7.5	8.4	61.1	1
42	42	2	1	0	0	1	9.4	3.8	4.7	5.4	3.8	6.5	4.9	8.5	4.9	6.2	4.1	4.5	4.1	7.6	8.0	7.9	61.1	1
43	43	3	0	1	0	1	9.3	5.1	4.6	6.8	5.8	6.6	6.3	7.4	5.1	4.1	4.6	4.6	4.3	8.9	7.8	7.6	72.1	1
44	44	2	1	1	1	1	5.1	5.1	6.6	6.9	4.4	5.4	7.8	5.9	7.2	5.2	4.9	6.3	4.5	7.6	7.9	8.4	55.1	1
45	45	3	1	0	0	0	8.0	2.5	4.7	7.1	3.6	7.7	3.0	5.2	5.1	3.9	4.3	4.2	4.7	5.5	5.6	6.5	65.1	0
46	46	2	0	1	1	0	5.9	4.1	5.7	5.9	5.8	6.4	5.5	8.4	6.4	5.1	5.2	5.8	4.8	7.4	8.6	7.7	58.1	1
47	47	3	1	0	0	1	10.0	4.3	7.1	6.3	2.9	5.4	4.5	3.8	6.7	3.7	5.0	4.0	3.5	7.1	8.8	8.0	67.1	1
48	48	2	1	1	1	0	5.7	3.8	6.8	7.5	5.7	5.7	6.0	8.2	6.6	4.8	6.5	7.3	5.2	7.6	7.6	7.1	60.1	0
49	49	3	0	0	1	1	9.9	3.7	3.7	6.1	4.2	7.0	6.7	6.8	5.9	7.2	4.5	3.4	3.9	8.7	8.1	8.5	67.1	1
50	50	3	1	1	0	1	7.9	3.9	4.3	5.8	4.4	6.9	5.8	4.7	5.2	3.6	4.1	4.2	4.3	8.6	7.8	7.6	61.1	1
51	51	1	0	1	1	0	6.7	3.6	5.9	4.2	3.4	4.7	4.8	7.2	5.7	5.3	4.0	3.6	2.8	5.4	7.5	7.2	48.1	0
52	52	3	1	0	0	0	8.2	2.7	3.7	7.4	2.7	7.9	3.1	5.3	5.3	5.0	4.5	4.3	4.9	5.7	7.1	8.2	67.1	1
53	53	3	0	1	1	1	9.4	2.5	4.8	6.1	3.2	7.3	4.6	6.3	6.3	9.2	4.7	4.6	4.6	8.7	9.0	9.0	66.1	1
54	54	1	1	0	0	1	6.9	3.4	5.7	4.4	3.3	6.4	4.7	5.2	6.4	4.4	3.2	2.7	3.3	6.1	7.0	7.2	44.1	0
55	55	2	1	1	1	0	8.0	3.3	3.8	5.8	3.2	4.6	4.7	8.7	5.3	4.2	4.9	6.6	4.2	7.3	8.1	8.1	62.1	1
56	56	3	1	0	0	0	9.3	3.8	7.3	5.7	3.7	6.4	5.5	7.4	6.6	5.9	4.1	3.2	3.4	7.7	7.6	8.9	59.1	1
57	57	2	0	1	1	1	7.4	5.1	4.8	7.7	4.5	7.2	6.9	9.6	6.4	7.4	5.7	6.5	5.5	9.0	7.9	8.8	74.1	1
58	58	3	1	0	0	0	7.6	3.6	5.2	5.8	5.6	6.6	5.4	4.4	6.7	6.4	4.6	3.9	4.0	8.2	7.5	7.5	58.1	1
59	59	3	1	0	0	0	10.0	4.3	5.3	3.7	4.2	5.4	4.5	3.8	6.7	4.5	3.7	4.0	3.5	7.1	6.5	7.0	67.1	0
60	60	3	1	1	1	0	9.9	2.8	7.2	6.9	2.6	5.8	3.5	5.4	6.2	7.0	5.6	4.9	4.0	7.9	8.5	8.5	61.1	1
61	61	3	0	0	0	0	8.7	3.2	8.4	6.1	2.8	7.8	3.8	4.9	7.2	4.5	5.4	3.9	4.5	6.6	6.9	7.2	71.1	1
62	62	2	0	1	1	1	8.4	3.8	6.7	5.0	4.5	4.7	5.9	6.7	5.1	4.2	2.7	5.0	3.6	8.0	7.6	8.8	63.1	1
63	63	1	0	0	0	1	8.8	3.9	3.8	5.1	4.3	4.7	4.8	5.8	5.0	7.2	4.4	3.7	2.9	6.3	5.5	8.0	44.1	0
64	64	1	0	1	1	0	7.7	2.2	6.3	4.5	2.4	4.7	3.4	6.2	6.0	4.7	3.3	3.1	2.6	6.0	6.0	8.1	47.1	0
65	65	1	0	1	1	0	6.6	3.6	5.8	4.1	4.9	4.7	4.8	7.2	6.5	3.9	3.5	3.6	2.8	5.4	6.9	7.1	48.1	0
66	66	2	1	1	1	0	5.7	3.8	3.5	6.7	5.4	5.7	6.0	8.2	5.4	5.0	4.7	7.3	5.2	7.6	6.9	9.0	60.1	1
67	67	2	1	0	1	0	5.7	4.0	7.9	6.4	2.7	5.5	5.1	6.2	7.5	6.4	5.0	6.2	4.5	6.4	5.6	6.2	50.1	0
68	68	2	1	0	1	1	5.5	3.7	4.7	5.4	4.3	5.3	4.9	6.0	5.6	2.5	4.5	5.9	4.3	6.1	6.3	8.2	48.1	0
69	69	1	1	1	1	0	7.5	3.5	3.8	3.5	2.9	4.1	4.5	7.6	5.1	5.2	4.0	5.4	3.4	5.2	5.8	5.8	51.1	0
70	70	2	0	1	1	0	6.4	3.6	2.7	5.3	3.9	3.9	5.3	7.1	5.2	5.5	4.7	6.6	3.9	6.6	6.6	8.0	58.1	1
71	71	3	0	0	1	0	9.1	4.5	6.1	5.9	6.3	5.3	7.1	8.4	7.1	5.7	5.4	6.1	4.4	7.6	7.5	7.7	67.1	0
72	72	1	1	0	0	1	6.7	3.2	3.0	3.7	4.8	6.3	4.5	5.0	5.2	2.5	2.9	2.6	3.1	5.8	6.0	7.0	43.1	0
73	73	2	0	1	1	0	6.5	4.3	2.7	6.6	6.5	6.3	6.0	8.7	4.7	6.3	4.6	5.6	4.6	7.9	6.6	7.9	66.1	0
74	74	3	0	1	1	1	9.9	3.7	7.5	4.7	5.6	7.0	6.7	6.8	7.2	4.6	4.1	3.4	3.9	8.6	8.8	9.8	66.1	1
75	75	2	0	1	1	1	8.5	3.9	5.3	5.5	5.0	4.9	6.0	6.8	5.7	3.6	4.4	5.1	3.7	8.2	7.0	8.4	65.1	1
76	76	3	0	0	0	0	9.9	3.0	6.8	5.0	5.4	5.9	4.8	4.9	7.3	7.6	3.1	4.3	3.8	7.1	6.6	8.9	63.1	1

Obs	ID	X1	Х2	Х3	X4	X5	Х6	Х7	X8	Х9	X10	X11	X12	X13	X14	X15	X16	X17	X18	X19	X20	X21	X22	X23
77	77	1	0	0	1	1	7.6	3.6	7.6	4.6	4.7	4.6	5.0	7.4	8.1	6.6	4.5	5.8	3.9	6.4	6.9	7.5	49.1	0
78	78	2	1	0	0	1	9.4	3.8	7.0	6.2	4.7	6.5	4.9	8.5	7.3	2.4	4.3	4.5	4.1	7.6	7.3	8.0	61.1	1
79	79	3	0	0	0	1	9.3	3.5	6.3	7.6	5.5	7.5	5.9	4.6	6.6	3.1	5.2	4.1	4.6	8.9	7.3	8.1	72.1	1
80	80	1	1	1	1	0	7.1	3.4	4.9	4.1	4.0	5.0	5.9	7.8	6.1	3.5	2.6	3.1	2.7	5.7	5.8	7.6	44.1	0
81	81	3	0	1	0	0	9.9	3.0	7.4	4.8	4.0	5.9	4.8	4.9	5.9	6.9	3.2	4.3	3.8	7.1	7.9	8.8	63.1	0
82	82	3	0	0	0	0	8.7	3.2	6.4	4.9	2.4	6.8	4.6	6.8	6.3	5.1	4.3	3.7	4.0	7.4	7.3	8.0	68.1	1
83	83	2	0	0	0	1	8.6	2.9	5.8	3.9	2.9	5.6	4.0	6.3	6.1	4.0	2.7	3.0	3.0	6.6	6.1	8.5	53.1	0
84	84	1	1	0	1	0	6.4	3.2	6.7	3.6	2.2	2.9	5.0	8.4	7.3	6.5	2.0	3.7	1.6	5.0	5.1	6.5	37.1	0
85	85	2	0	0	0	1	7.7	2.6	6.7	6.6	1.9	7.2	4.3	5.9	6.5	4.1	4.7	3.9	4.3	8.2	7.5	7.7	52.1	1
86	86	1	1	1	1	0	7.5	3.5	4.1	4.5	3.5	4.1	4.5	7.6	4.9	2.8	3.4	5.4	3.4	5.2	6.0	7.2	51.1	0
87	87	1	0	0	1	0	5.0	3.6	1.3	3.0	3.5	4.2	4.9	8.2	4.3	7.6	2.4	4.8	3.1	5.2	5.5	6.0	48.1	0
88	88	2	0	0	0	1	7.7	2.6	8.0	6.7	3.5	7.2	4.3	5.9	6.9	7.7	5.1	3.9	4.3	8.2	7.6	8.2	52.1	0
89	89	2	1	0	0	1	9.1	3.6	5.5	5.4	4.2	6.2	4.6	8.3	6.5	4.1	4.6	4.3	3.9	7.3	6.5	7.4	59.1	0
90	90	2	1	0	1	1	5.5	5.5	7.7	7.0	5.6	5.7	8.2	6.3	7.4	4.9	5.5	6.7	4.9	8.2	7.6	9.3	59.1	1
91	91	3	1	0	0	0	9.1	3.7	7.0	4.1	4.4	6.3	5.4	7.3	7.5	4.6	4.4	3.0	3.3	7.4	7.9	7.9	58.1	1
92	92	1	1	0	1	0	7.1	4.2	4.1	2.6	2.1	3.3	4.5	9.9	5.5	3.5	2.0	4.0	2.4	4.8	5.0	6.5	51.1	0
93	93	3	1	1	0	1	9.2	3.9	4.6	5.3	4.2	8.4	4.8	7.1	6.2	6.6	4.4	2.6	4.2	7.6	7.5	8.6	72.1	0
94	94	3	0	1	1	1	9.3	3.5	5.4	7.8	4.6	7.5	5.9	4.6	6.4	4.9	4.8	4.1	4.6	8.9	7.6	8.9	72.1	1
95	95	3	1	1	0	0	9.3	3.8	4.0	4.6	4.7	6.4	5.5	7.4	5.3	4.8	3.6	3.2	3.4	7.7	7.3	8.4	59.1	1
96	96	1	1	0	0	1	8.6	4.8	5.6	5.3	2.3	6.0	5.7	6.7	5.8	3.6	4.9	3.6	3.6	7.3	8.1	8.1	50.1	1
97	97	1	0	0	1	1	7.4	3.4	2.6	5.0	4.1	4.4	4.8	7.2	4.5	6.4	4.2	5.6	3.7	6.3	5.5	7.2	48.1	0
98	98	1	0	0	0	1	8.7	3.2	3.3	3.2	3.1	6.1	2.9	5.6	5.0	4.3	3.1	2.9	2.5	5.4	7.0	7.7	51.1	0
99	99	2	1	0	1	1	7.8	4.9	5.8	5.3	5.2	5.3	7.1	7.9	6.0	5.7	4.3	4.9	3.9	6.4	7.1	7.4	61.1	0
100	100	2	1	1	1	0	7.9	3.0	4.4	5.1	5.9	4.2	4.8	9.7	5.7	5.8	3.4	5.4	3.5	6.4	7.3	7.0	57.1	0

### The UNIVARIATE Procedure Variable: X19 (X19 - Satisfaction)

	Moments									
N	100	Sum Weights	100							
Mean	6.918	Sum Observations	691.8							
Std Deviation	1.19183925	Variance	1.42048081							
Skewness	0.0781812	Kurtosis	-0.7913045							
Uncorrected SS	4926.5	Corrected SS	140.6276							
Coeff Variation	17.2280898	Std Error Mean	0.11918393							

	Basic Statistical Measures										
Location Variability											
Mean	6.918000	Std Deviation	1.19184								
Median	7.050000	Variance	1.42048								
Mode	7.600000	Range	5.20000								
		Interquartile Range	1.65000								

Tests for Location: Mu0=0									
Test	St	atistic	p Value						
Student's t	t	58.04474	Pr >  t	<.0001					
Sign	М	50	Pr >=  M	<.0001					
Signed Rank	S	2525	Pr >=  S	<.0001					

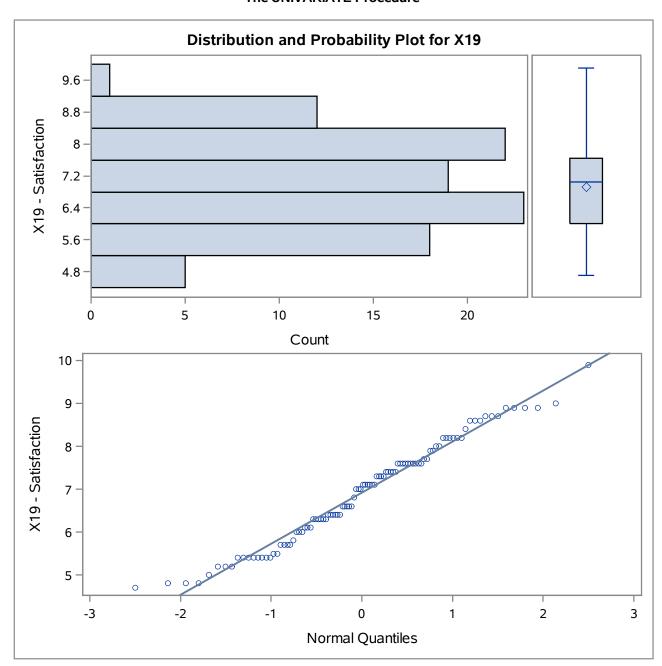
Tests for Normality									
Test	Sta	atistic	p Value						
Shapiro-Wilk	w	0.975162	Pr < W	0.0556					
Kolmogorov-Smirnov	D	0.078082	Pr > D	0.1367					
Cramer-von Mises	W-Sq	0.109171	Pr > W-Sq	0.0870					
Anderson-Darling	A-Sq	0.714966	Pr > A-Sq	0.0630					

Quantiles (Definition 5)							
Level	Quantile						
100% Max	9.90						
99%	9.45						
95%	8.90						
90%	8.60						
75% Q3	7.65						
50% Median	7.05						
25% Q1	6.00						

### The UNIVARIATE Procedure Variable: X19 (X19 - Satisfaction)

Quantiles (Definition 5)								
Level	Quantile							
10%	5.40							
5%	5.10							
1%	4.75							
0% Min	4.70							

Extreme Observations								
Low	est	Highest						
Value	Obs	Value	Obs					
4.7	6	8.9	43					
4.8	92	8.9	79					
4.8	25	8.9	94					
4.8	4	9.0	57					
5.0	84	9.9	22					



# The UNIVARIATE Procedure Variable: X20 (X20 - Likelihood of Recommendation)

	Moments									
N	100	Sum Weights	100							
Mean	7.02	Sum Observations	702							
Std Deviation	1.04330477	Variance	1.08848485							
Skewness	0.04392529	Kurtosis	-0.0883467							
Uncorrected SS	5035.8	Corrected SS	107.76							
Coeff Variation	14.8618913	Std Error Mean	0.10433048							

	Basic Statistical Measures										
Location Variability											
Mean	7.020000	Std Deviation	1.04330								
Median	7.000000	Variance	1.08848								
Mode	7.500000	Range	5.30000								
		Interquartile Range	1.30000								

Tests for Location: Mu0=0					
Test	St	Statistic p Value			
Student's t	t	67.28619	7.28619 <b>Pr &gt;  t </b> <		
Sign	М	50	Pr >=  M	<.0001	
Signed Rank	S	2525	Pr >=  S	<.0001	

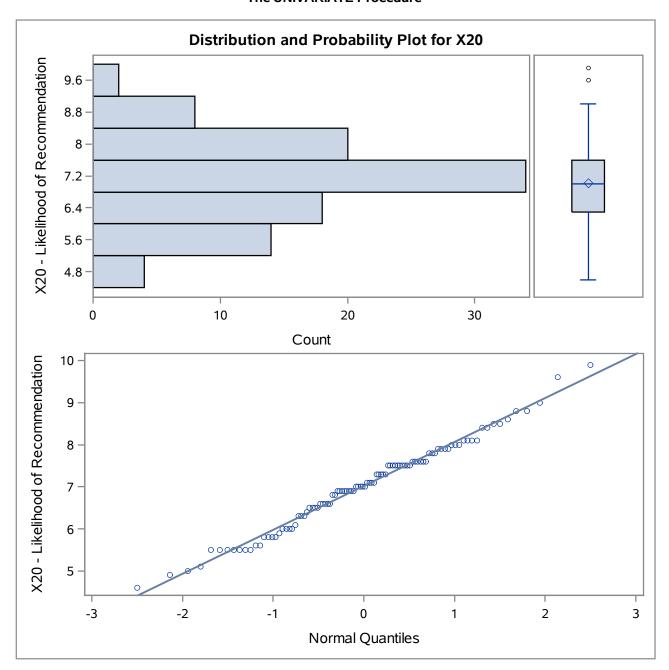
Tests for Normality					
Test	Sta	Statistic p Value			
Shapiro-Wilk	w	0.988054	Pr < W	0.5122	
Kolmogorov-Smirnov	D	0.077269	Pr > D	0.1460	
Cramer-von Mises	W-Sq	0.073672	Pr > W-Sq	0.2498	
Anderson-Darling	A-Sq	0.452245	Pr > A-Sq	>0.2500	

Quantiles (Definition 5)	
Level	Quantile
100% Max	9.90
99%	9.75
95%	8.70
90%	8.25
75% Q3	7.60
50% Median	7.00
25% Q1	6.30

# The UNIVARIATE Procedure Variable: X20 (X20 - Likelihood of Recommendation)

Quantiles (Definition 5)		
Level	Quantile	
10%	5.50	
5%	5.50	
1%	4.75	
0% Min	4.60	

Extreme Observations				
Low	est	High	est	
Value	Obs	Value	Obs	
4.6	36	8.8	47	
4.9	25	8.8	74	
5.0	92	9.0	53	
5.1	84	9.6	22	
5.5	97	9.9	38	



### The UNIVARIATE Procedure Variable: X19 (X19 - Satisfaction)

X5 - Distribution System=0

Moments				
N	57	Sum Weights	57	
Mean	6.38245614	Sum Observations	363.8	
Std Deviation	0.98545182	Variance	0.97111529	
Skewness	0.00654683	Kurtosis	-1.2628095	
Uncorrected SS	2376.32	Corrected SS	54.3824561	
Coeff Variation	15.4400093	Std Error Mean	0.13052628	

	Basic Statistical Measures				
Loc	Location Variability				
Mean	6.382456	Std Deviation	0.98545		
Median	6.400000	Variance	0.97112		
Mode	5.400000	Range	3.50000		
		Interquartile Range	1.90000		

Tests for Location: Mu0=0					
Test	St	Statistic p Value			
Student's t	t	48.89786 Pr >  t		<.0001	
Sign	М	28.5	Pr >=  M	<.0001	
Signed Rank	S	826.5	Pr >=  S	<.0001	

Tests for Normality					
Test	Statistic p Value			ıe	
Shapiro-Wilk	w	0.944705	Pr < W	0.0114	
Kolmogorov-Smirnov	D	0.124119	Pr > D	0.0272	
Cramer-von Mises	W-Sq	0.16214	Pr > W-Sq	0.0172	
Anderson-Darling	A-Sq	1.054157	Pr > A-Sq	0.0086	

Quantiles (Definition 5)	
Level	Quantile
100% Max	8.2
99%	8.2
95%	7.9
90%	7.6
75% Q3	7.3
50% Median	6.4

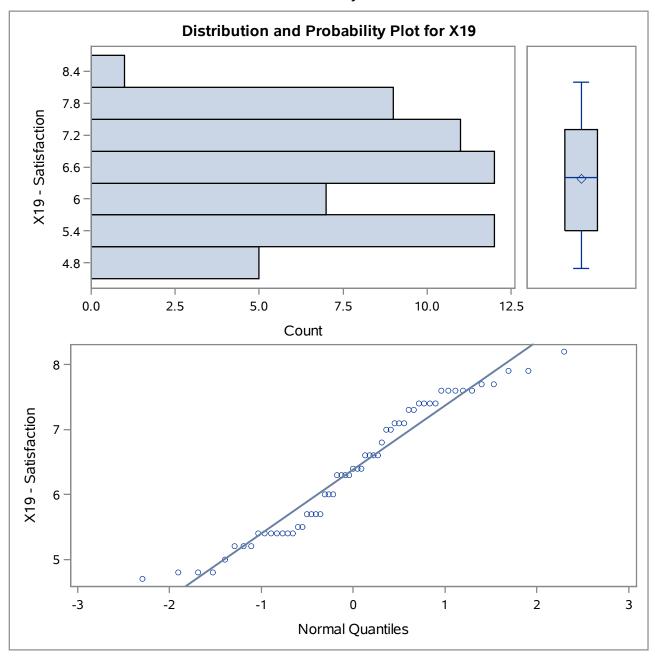
# The UNIVARIATE Procedure Variable: X19 (X19 - Satisfaction)

X5 - Distribution System=0

Quantiles (Definition 5)		
Level	Quantile	
25% Q1	5.4	
10%	5.2	
5%	4.8	
1%	4.7	
0% Min	4.7	

Extreme Observations					
Lowest			Highest		
Value	Х5	Obs	Value	Х5	Obs
4.7	0	3	7.7	0	34
4.8	0	55	7.7	0	56
4.8	0	14	7.9	0	37
4.8	0	2	7.9	0	46
5.0	0	51	8.2	0	35

X5 - Distribution System=0



### The UNIVARIATE Procedure Variable: X19 (X19 - Satisfaction)

X5 - Distribution System=1

Moments				
N	43	Sum Weights	43	
Mean	7.62790698	Sum Observations	328	
Std Deviation	1.07156441	Variance	1.14825028	
Skewness	-0.1920377	Kurtosis	-0.8318361	
Uncorrected SS	2550.18	Corrected SS	48.2265116	
Coeff Variation	14.047948	Std Error Mean	0.16341204	

	Basic Statistical Measures				
Loc	ation	Variability			
Mean	7.627907	Std Deviation	1.07156		
Median	7.600000	Variance	1.14825		
Mode	7.600000	Range	4.50000		
		Interquartile Range	2.00000		

Note: The mode displayed is the smallest of 2 modes with a count of 5.

Tests for Location: Mu0=0				
Test	Statistic p Value			
Student's t	t 46.67898		Pr >  t	<.0001
Sign	М	21.5	Pr >=  M	<.0001
Signed Rank	S	473	Pr >=  S	<.0001

Tests for Normality				
Test Statistic p Value				
Shapiro-Wilk	w	0.961101	Pr < W	0.1521
Kolmogorov-Smirnov	D	0.121894	Pr > D	0.1058
Cramer-von Mises	W-Sq	0.100658	Pr > W-Sq	0.1084
Anderson-Darling	A-Sq	0.662014	Pr > A-Sq	0.0821

Quantiles (Definition 5)				
Level Quantil				
100% Max	9.9			
99%	9.9			
95%	8.9			
90%	8.9			
75% Q3	8.6			

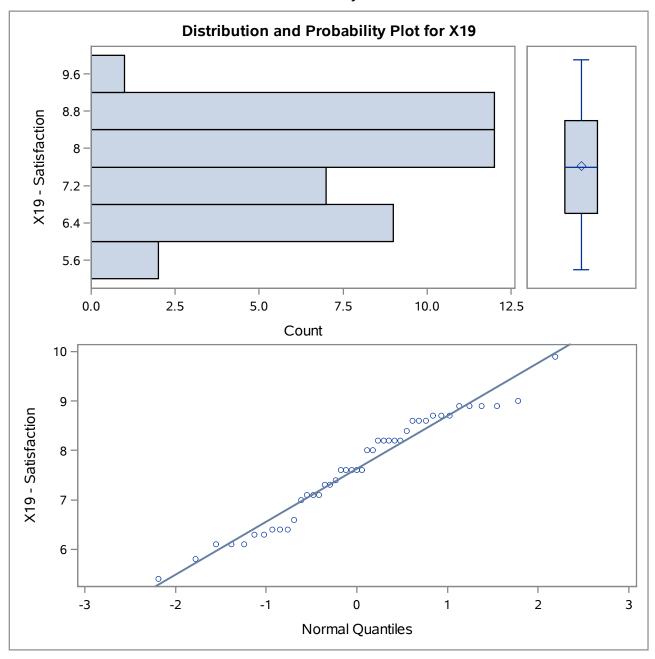
# The UNIVARIATE Procedure Variable: X19 (X19 - Satisfaction)

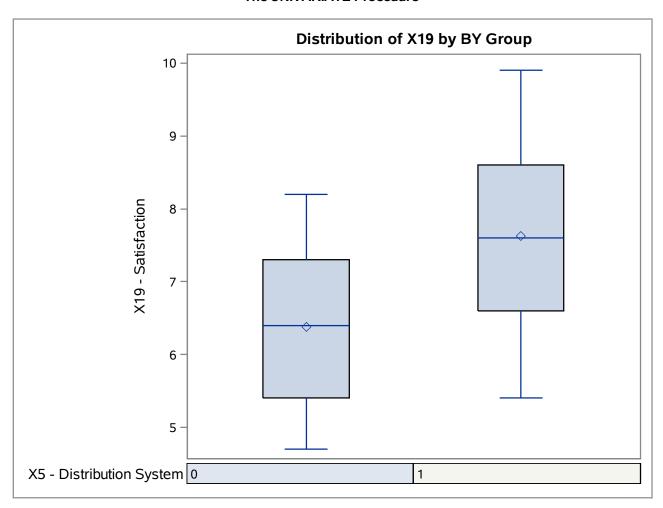
X5 - Distribution System=1

Quantiles (Definition 5)			
Level	Quantile		
50% Median	7.6		
25% Q1	6.6		
10%	6.1		
5%	6.1		
1%	5.4		
0% Min	5.4		

Extreme Observations					
Lowest			Highest		
Value	Х5	Obs	Value	Х5	Obs
5.4	1	99	8.9	1	73
5.8	1	84	8.9	1	89
6.1	1	83	8.9	1	96
6.1	1	79	9.0	1	80
6.1	1	69	9.9	1	66

X5 - Distribution System=1





# The UNIVARIATE Procedure Variable: X20 (X20 - Likelihood of Recommendation)

X5 - Distribution System=0

Moments				
N	57	Sum Weights	57	
Mean	6.65964912	Sum Observations	379.6	
Std Deviation	0.9676665	Variance	0.93637845	
Skewness	-0.0361836	Kurtosis	-0.6903364	
Uncorrected SS	2580.44	Corrected SS	52.437193	
Coeff Variation	14.5302925	Std Error Mean	0.12817056	

	Basic Statistical Measures			
Location Variability				
Mean	6.659649	Std Deviation	0.96767	
Median	6.600000	Variance	0.93638	
Mode	7.500000	Range	4.00000	
		Interquartile Range	1.70000	

Tests for Location: Mu0=0				
Test	Statistic p Value			ue
Student's t	t 51.95927		Pr >  t	<.0001
Sign	М	28.5	Pr >=  M	<.0001
Signed Rank	S	826.5	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic p Value			
Shapiro-Wilk	w	0.97818	Pr < W	0.3903
Kolmogorov-Smirnov	D	0.088122	Pr > D	>0.1500
Cramer-von Mises	W-Sq	0.070271	Pr > W-Sq	>0.2500
Anderson-Darling	A-Sq	0.431285	Pr > A-Sq	>0.2500

Quantiles (Definition 5)					
Level	Quantile				
100% Max	8.6				
99%	8.6				
95%	8.5				
90%	7.9				
75% Q3	7.5				
50% Median	6.6				

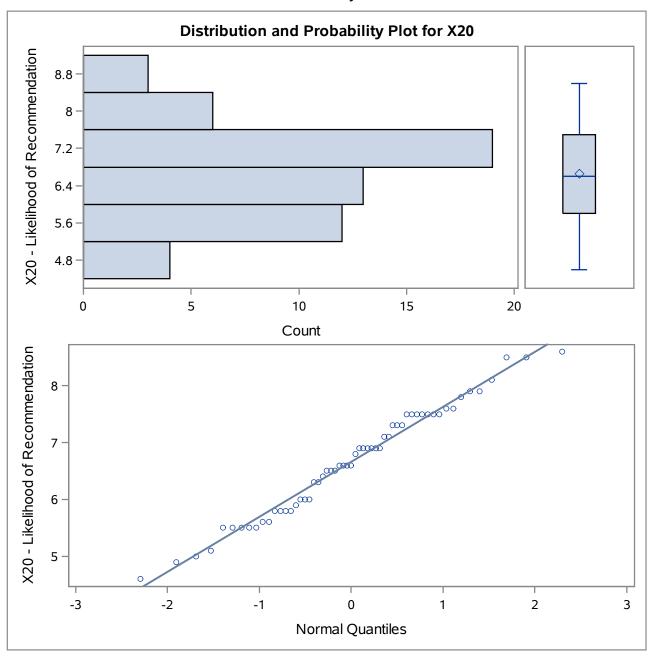
# The UNIVARIATE Procedure Variable: X20 (X20 - Likelihood of Recommendation)

X5 - Distribution System=0

Quantiles (Definition 5)				
Level Quantile				
25% Q1	5.8			
10%	5.5			
5%	5.0			
1%	4.6			
0% Min	4.6			

Extreme Observations							
Le	owest	t	Hi	ghes	t		
Value	Х5	Obs	Value	Х5	Obs		
4.6	0	24	7.9	0	54		
4.9	0	14	8.1	0	33		
5.0	0	55	8.5	0	12		
5.1	0	51	8.5	0	37		
5.5	0	53	8.6	0	29		

X5 - Distribution System=0



### The UNIVARIATE Procedure Variable: X20 (X20 - Likelihood of Recommendation)

X5 - Distribution System=1

Moments							
N	43	43 Sum Weights					
Mean	7.49767442	Sum Observations	322.4				
Std Deviation	0.95256255	Variance	0.90737542				
Skewness	0.19260946	Kurtosis	0.47361591				
Uncorrected SS	2455.36	Corrected SS	38.1097674				
Coeff Variation	12.7047735	Std Error Mean	0.14526443				

	Basic Statistical Measures					
Location Variability						
Mean	7.497674	Std Deviation	0.95256			
Median	7.500000	Variance	0.90738			
Mode	7.000000	Range	4.40000			
		Interquartile Range	1.00000			

Tests for Location: Mu0=0						
Test	Statistic p Value					
Student's t	t	51.61397	Pr >  t	<.0001		
Sign	М	21.5	Pr >=  M	<.0001		
Signed Rank	S	473	Pr >=  S	<.0001		

Tests for Normality						
Test	Sta	Statistic p Value				
Shapiro-Wilk	w	0.980277	Pr < W	0.6584		
Kolmogorov-Smirnov	D	0.100798	Pr > D	>0.1500		
Cramer-von Mises	W-Sq	0.050482	Pr > W-Sq	>0.2500		
Anderson-Darling	A-Sq	0.321261	Pr > A-Sq	>0.2500		

Quantiles (Definition 5)				
Level	Quantile			
100% Max	9.9			
99%	9.9			
95%	9.0			
90%	8.8			
75% Q3	8.0			
50% Median	7.5			

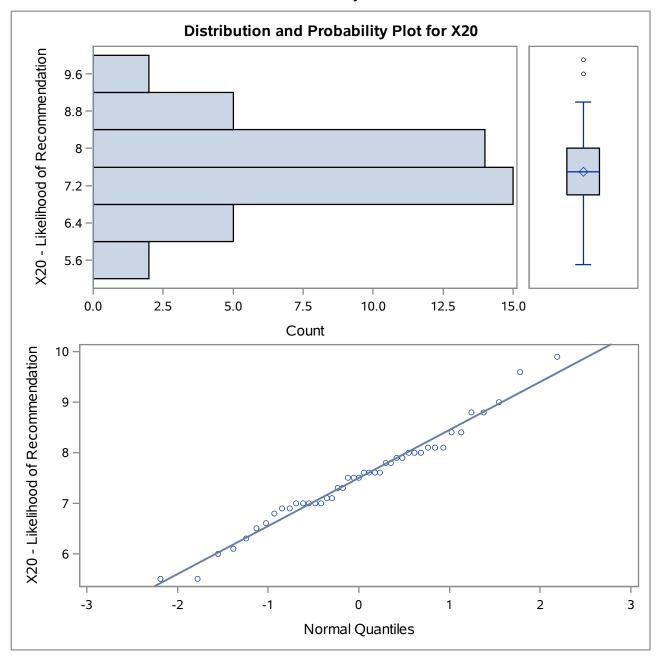
# The UNIVARIATE Procedure Variable: X20 (X20 - Likelihood of Recommendation)

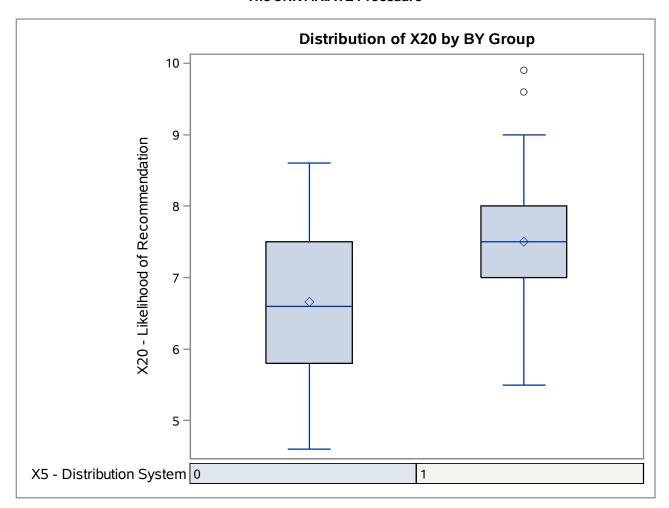
X5 - Distribution System=1

Quantiles (Definition 5)				
Level Quantile				
25% Q1	7.0			
10%	6.3			
5%	6.0			
1%	5.5			
0% Min	5.5			

Extreme Observations							
L	owest	t	Hi	ighes	t		
Value	Х5	Obs	Value X5 Ob				
5.5	1	98	8.8	1	75		
5.5	1	82	8.8	1	85		
6.0	1	84	9.0	1	78		
6.1	1	90	9.6	1	66		
6.3	1	83	9.9	1	71		

X5 - Distribution System=1





Variable: X19 (X19 - Satisfaction)

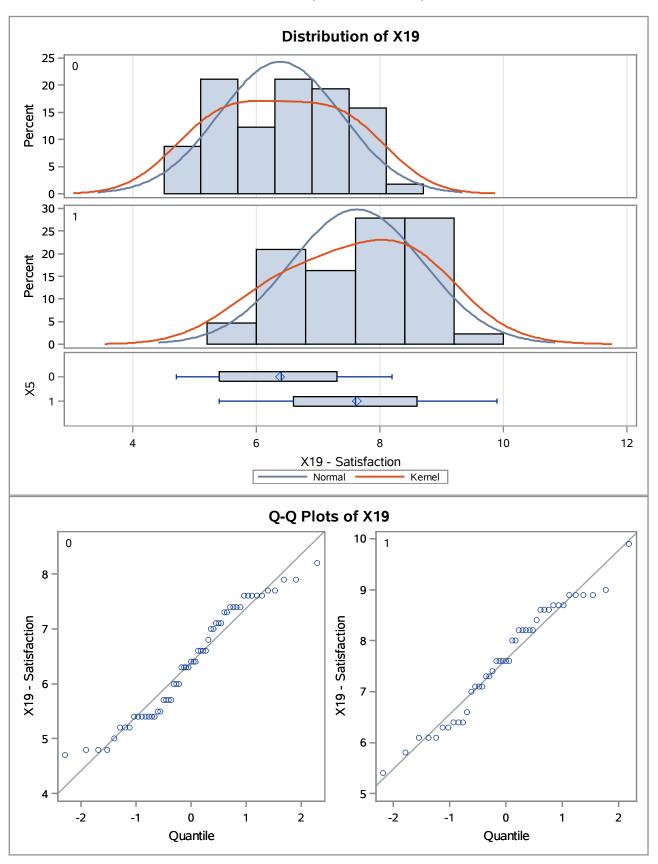
Х5	N	Mean	Std Dev	Std Err	Minimum	Maximum
0	57	6.3825	0.9855	0.1305	4.7000	8.2000
1	43	7.6279	1.0716	0.1634	5.4000	9.9000
Diff (1-2)		-1.2455	1.0232	0.2067		

X5	Method	Mean	95% CL Mean		Std Dev	95 CL St	
0		6.3825	6.1210	6.6439	0.9855	0.8320	1.2089
1		7.6279	7.2981	7.9577	1.0716	0.8835	1.3620
Diff (1-2)	Pooled	-1.2455	-1.6556	-0.8353	1.0232	0.8979	1.1897
Diff (1-2)	Satterthwaite	-1.2455	-1.6612	-0.8297			

Method	Variances	DF	t Value	Pr >  t
Pooled	Equal	98	-6.03	<.0001
Satterthwaite Unequal		86.333	-5.96	<.0001

Equality of Variances					
Method Num DF Den DF F Value Pr > F					
Folded F	42	56	1.18	0.5531	

Variable: X19 (X19 - Satisfaction)



Variable: X20 (X20 - Likelihood of Recommendation)

Variable: X20 (X20 - Likelihood of Recommendation)

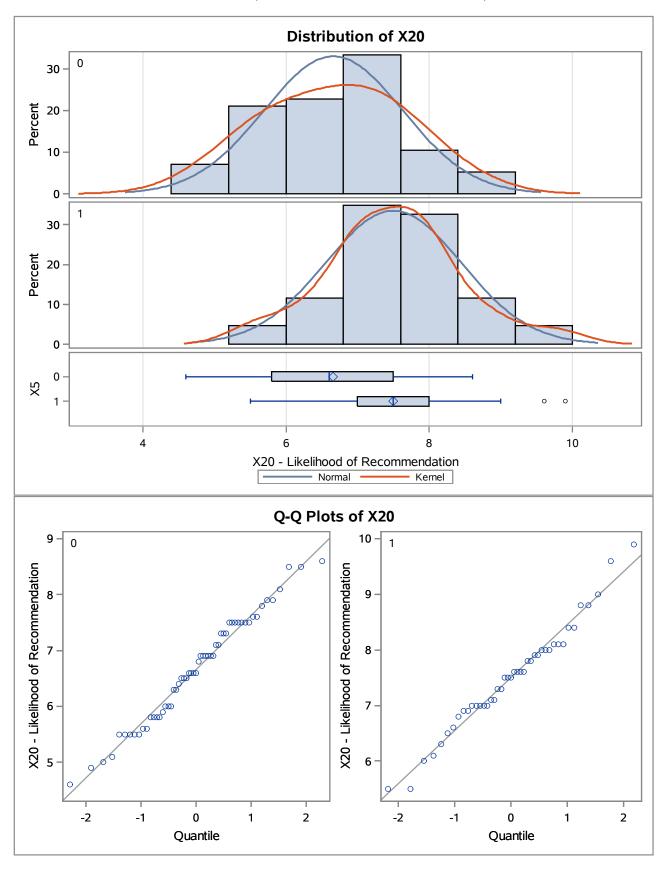
Х5	N	Mean	Std Dev	Std Err	Minimum	Maximum
0	57	6.6596	0.9677	0.1282	4.6000	8.6000
1	43	7.4977	0.9526	0.1453	5.5000	9.9000
Diff (1-2)		-0.8380	0.9612	0.1942		

Х5	Method	Mean	95% CL Mean Std D		Std Dev	95 CL St	
0		6.6596	6.4029	6.9164	0.9677	0.8170	1.1871
1		7.4977	7.2045	7.7908	0.9526	0.7854	1.2107
Diff (1-2)	Pooled	-0.8380	-1.2233	-0.4527	0.9612	0.8434	1.1175
Diff (1-2)	Satterthwaite	-0.8380	-1.2228	-0.4532			

Method	Variances	DF	t Value	Pr >  t
Pooled	Equal	98	-4.32	<.0001
Satterthwaite	Unequal	91.333	-4.33	<.0001

Equality of Variances				
Method Num DF Den DF F Value Pr > F				
Folded F	56	42	1.03	0.9247

Variable: X20 (X20 - Likelihood of Recommendation)



#### **The ANOVA Procedure**

Class Level Information			
Class	Levels	Values	
X5	2	0 1	

Number of Observations Rea	d	100
Number of Observations Use	d	100

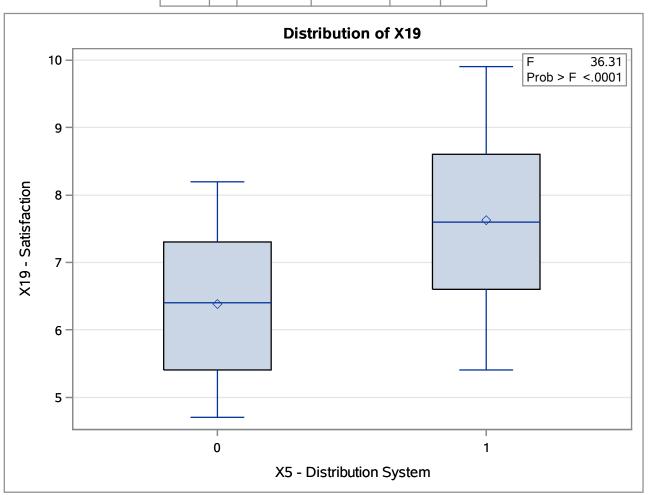
**The ANOVA Procedure** 

Dependent Variable: X19 X19 - Satisfaction

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	38.0186322	38.0186322	36.31	<.0001
Error	98	102.6089678	1.0470303		
Corrected Total	99	140.6276000			

R-Square	Coeff Var	Root MSE	X19 Mean
0.270350	14.79105	1.023245	6.918000

Source	DF	Anova SS	Mean Square	F Value	Pr > F
X5	1	38.01863223	38.01863223	36.31	<.0001



#### **The ANOVA Procedure**

Class Level Information			
Class	Levels	Values	
X5	2	0 1	

Number of Observations Read	1 10	00
Number of Observations Used	<b>d</b> 10	00

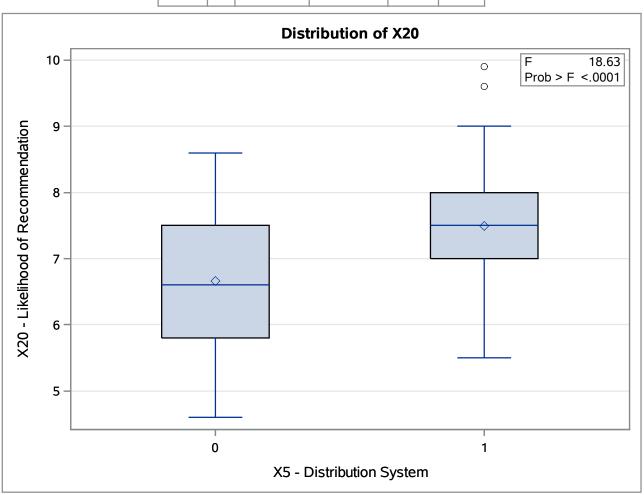
**The ANOVA Procedure** 

Dependent Variable: X20 X20 - Likelihood of Recommendation

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	17.2130396	17.2130396	18.63	<.0001
Error	98	90.5469604	0.9239486		
Corrected Total	99	107.7600000			

R-Square	Coeff Var	Root MSE	X20 Mean
0.159735	13.69263	0.961222	7.020000

Source	DF	Anova SS	Mean Square	F Value	Pr > F
X5	1	17.21303958	17.21303958	18.63	<.0001

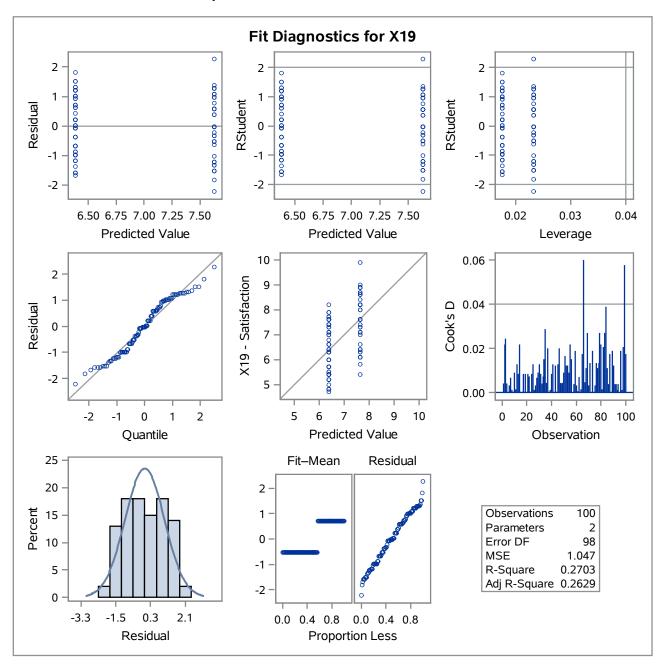


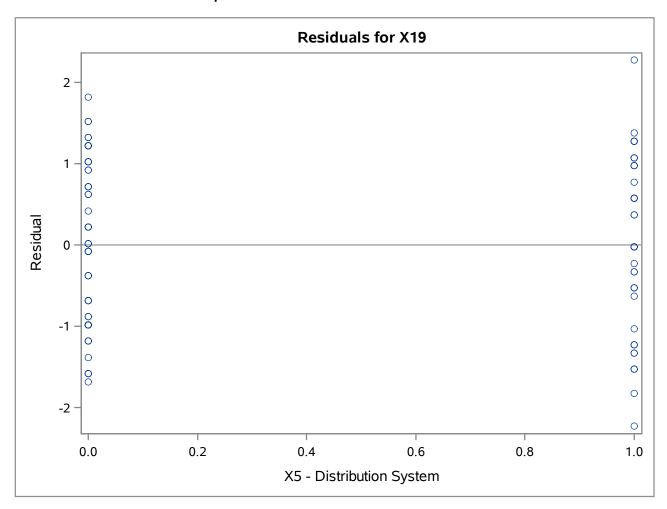
Number of Observations Read	100
Number of Observations Used	100

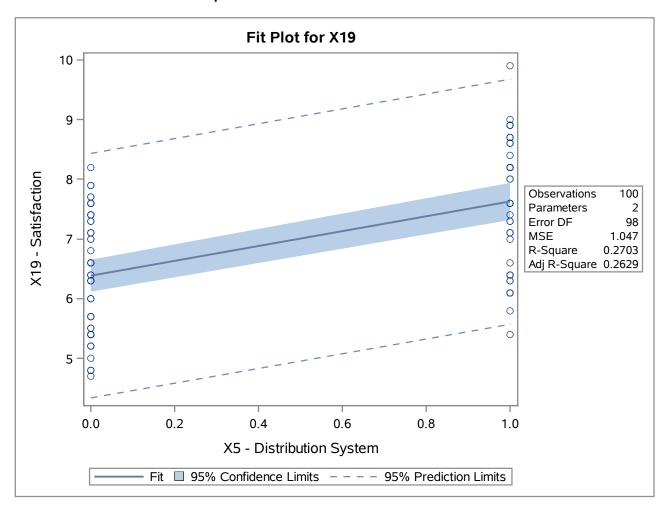
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	38.01863	38.01863	36.31	<.0001
Error	98	102.60897	1.04703		
Corrected Total	99	140.62760			

Root MSE	1.02324	R-Square	0.2703
Dependent Mean	6.91800	Adj R-Sq	0.2629
Coeff Var	14.79105		

Parameter Estimates						
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	Intercept	1	6.38246	0.13553	47.09	<.0001
Х5	X5 - Distribution System	1	1.24545	0.20668	6.03	<.0001







# The REG Procedure Model: MODEL1 Dependent Variable: X20 X20 - Likelihood of Recommendation

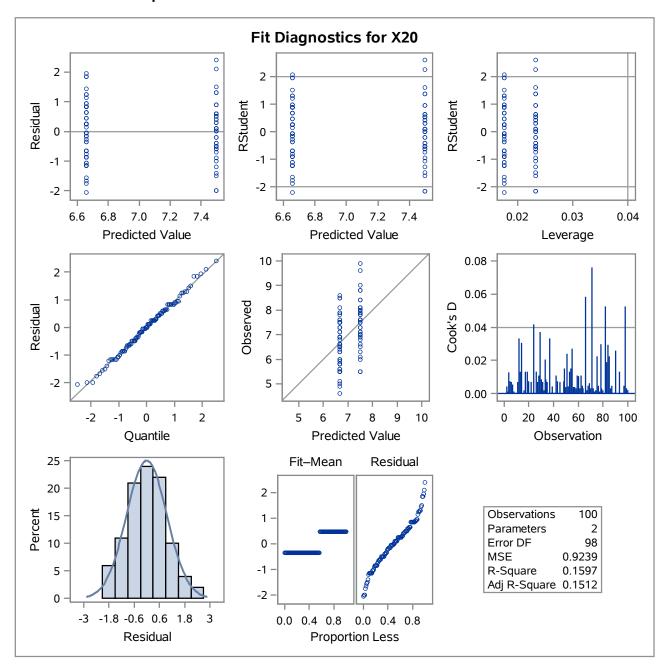
Number of Observations Read	100
Number of Observations Used	100

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	17.21304	17.21304	18.63	<.0001
Error	98	90.54696	0.92395		
Corrected Total	99	107.76000			

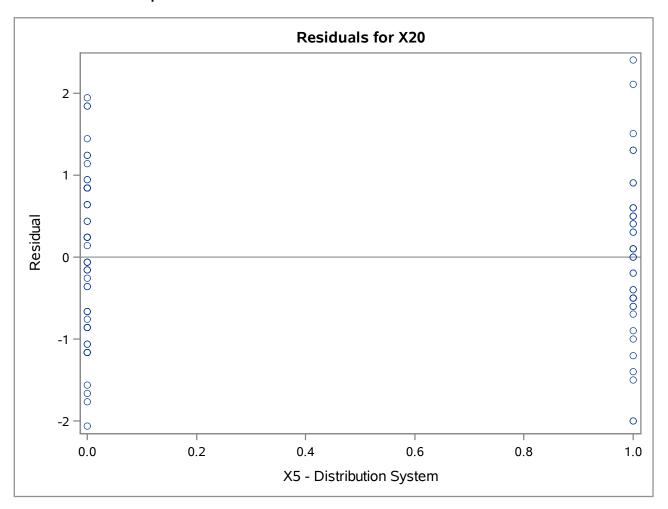
Root MSE	0.96122	R-Square	0.1597
Dependent Mean	7.02000	Adj R-Sq	0.1512
Coeff Var	13.69263		

Parameter Estimates						
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	Intercept	1	6.65965	0.12732	52.31	<.0001
X5	X5 - Distribution System	1	0.83803	0.19416	4.32	<.0001

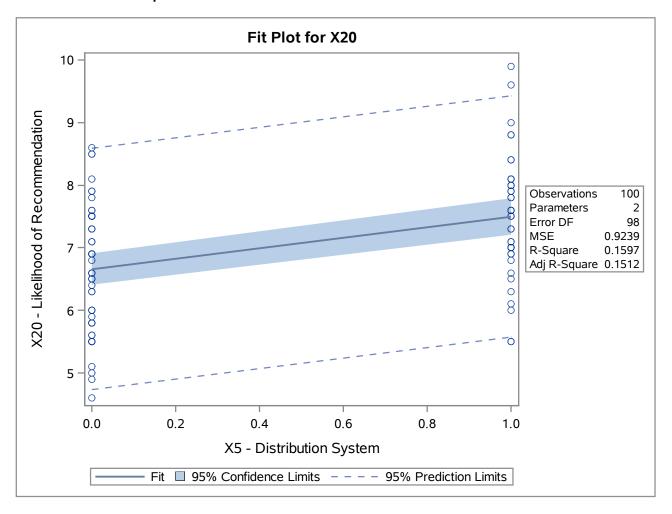
The REG Procedure
Model: MODEL1
Dependent Variable: X20 X20 - Likelihood of Recommendation



The REG Procedure
Model: MODEL1
Dependent Variable: X20 X20 - Likelihood of Recommendation



The REG Procedure
Model: MODEL1
Dependent Variable: X20 X20 - Likelihood of Recommendation



#### The GLM Procedure

Class Level Information				
Class	Levels	Values		
X5	2	0 1		

Number of Observations Read	100
Number of Observations Used	100

**The GLM Procedure** 

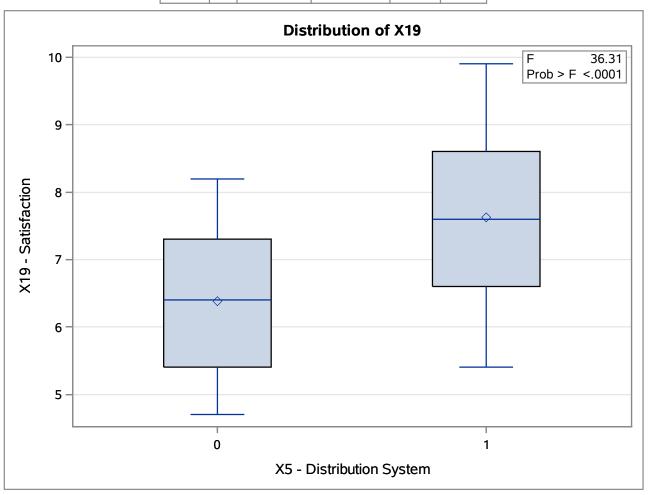
Dependent Variable: X19 X19 - Satisfaction

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	38.0186322	38.0186322	36.31	<.0001
Error	98	102.6089678	1.0470303		
Corrected Total	99	140.6276000			

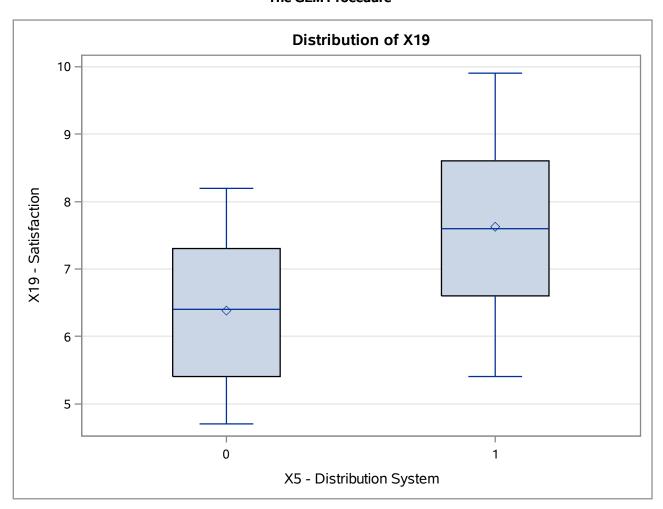
R-Square	Coeff Var	Root MSE	X19 Mean
0.270350	14.79105	1.023245	6.918000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
X5	1	38.01863223	38.01863223	36.31	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
X5	1	38.01863223	38.01863223	36.31	<.0001



#### The GLM Procedure



		X19		
Level of X5	N	Mean	Std Dev	
0	57	6.38245614	0.98545182	
1	43	7.62790698	1.07156441	

#### The GLM Procedure

Class Level Information				
Class	Levels	Values		
X5	2	01		

Number of Observations Read	100
Number of Observations Used	100

**The GLM Procedure** 

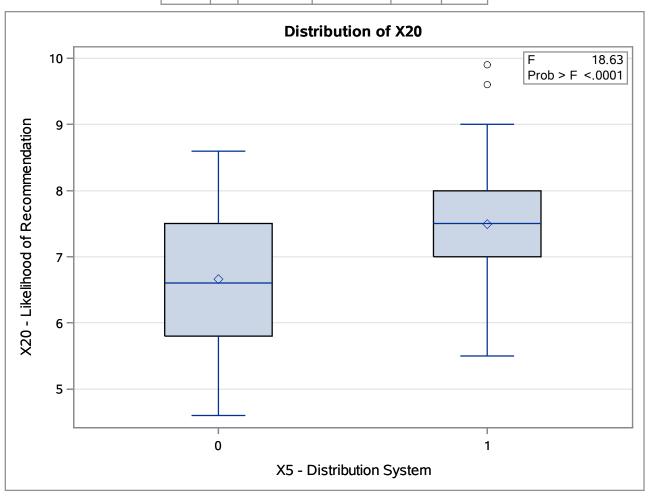
Dependent Variable: X20 X20 - Likelihood of Recommendation

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	17.2130396	17.2130396	18.63	<.0001
Error	98	90.5469604	0.9239486		
Corrected Total	99	107.7600000			

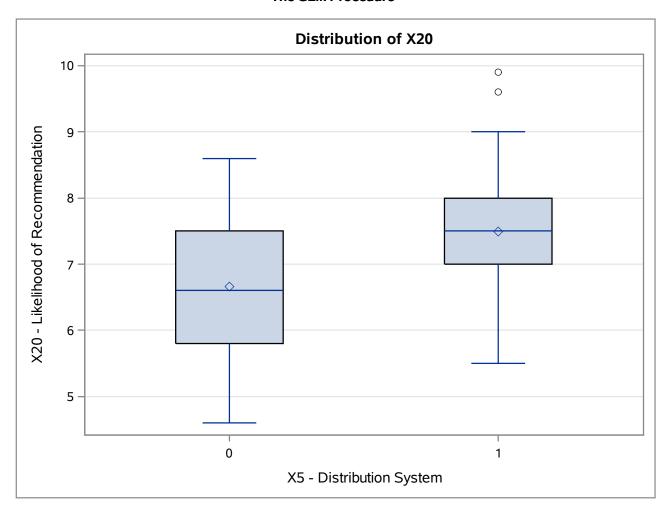
R-Square	Coeff Var	Root MSE	X20 Mean
0.159735	13.69263	0.961222	7.020000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Х5	1	17.21303958	17.21303958	18.63	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
X5	1	17.21303958	17.21303958	18.63	<.0001



The GLM Procedure



		X20	
Level of X5	N	Mean	Std Dev
0	57	6.65964912	0.96766650
1	43	7.49767442	0.95256255