STAT 220

FINAL MARKS, Fall Term, 1996

Number of students	64
Average	63½%
S.d.	11¾%
Median	63%
IQR	16½%
Pass	92% (59 students)
Fail	8% (5 students)

Distribution of marks (stemplot):

9	0	(1)
8	013	(3)
7	00001 22345 55667 79	(17)
6	00011 12233 34567 88899	(20)
5	00011 11112 46778 999	(18)
4	6677	(4)
3	9	(1)
2		(–)
1		(–)

ASSIGNMENT SUBMISSION AND FINAL MARKS

Assignments submitted (out of 6)	**Adjusted final mark** (%)	**No.**	**Av.** (%)	**S.d.** (%)
6	39, 47, 50, 50, 54, 56, 59, 61, 62, 63, 63, 65, 67, 69, 70, 70, 70, 70, 71, 72, 72, 73, 74, 75, 75, 76, 76, 77, 79, 80, 81, 83, 90	33	68	11.3
5	50, 62, 68, 68, 69, 77	6	66	9.0
4	51, 51, 57, 58, 59, 60, 61, 66, 68	9	59	5.8
3	46, 52, 52, 60, 60, 63, 75	7	58	9.5
2	52	1	52	---
1	51, 52, 57, 59, 61	5	56	4.4
0	46	1	46	---

These observations, which *ex*clude two students who copied assignment solutions, raise the following points of interest:

- Only two of the 39 students who submitted 5 or 6 assignments failed the course.
  - Twenty of the 21 students with a final mark of 70% or greater submitted 5 or 6 assignments.
- Two of the 4 students with a failing final mark submitted 3 or fewer assignments.
  - The highest final mark was 61% among students submitting 2 or fewer assignments.
- The summary at the right of the more detailed table above shows the relationship between final grade and number of assignments submitted; the overall 'slope' of this relationship is around 2 percentage points of average final grade per assignment submitted.

Ass. sub.	**No.**	**Av.** (%)
5, 6	39	68
3, 4	16	59
0, 1, 2	7	54

- The average number of assignments submitted was 4.71 (78%) and the average assignment mark (out of 10) was about 7.1 (71%)
  - The product (about 56%) of these two percentages suggests that the 'average' student in STAT 220 demonstrated competence in *somewhat over half* of the assignment material.

(*continued overleaf*)

STAT 220

FINAL EXAMINATION MARKS, Fall Term, 1996

Number of students	64
Average	61¼%
S.d.	11%
Median	62%
IQR	16½%
Pass	86% (55 students)
Fail	14% (9 students)

Distribution of marks (stemplot):

9		(–)
8	0118	(4)
7	00112 35668 9	(11)
6	00122 22223 33444 56778 9	(21)
5	00111 22224 47888 8999	(19)
4	22568 889	(8)
3	5	(1)
2		(–)
1		(–)

STAT 220

QUIZ #1 MARKS – Fall Term, 1996

Number of students	65
Average	78¼%
S.d.	10¾%
Median	81%
IQR	12½%
Pass	97% (63 students)
Fail	3% (2 students)

Distribution of marks (stemplot):

9	01248 8	(6)
8	00111 11122 22233 44455 66777 8888	(29)
7	22223 44567 79999 999	(18)
6	24678 999	(8)
5	38	(2)
4	23	(2)
3		(–)
2		(–)
1		(–)

STAT 220

QUIZ #2 MARKS – Fall Term, 1996

Number of students	62
Average	62½%
S.d.	20¼%
Median	60½%
IQR	28%
Pass	74% (46 students)
Fail	26% (16 students)

Distribution of marks (stemplot):

9	22489	(5)
8	44556 7889	(9)
7	02334 4579	(9)
6	00011 44568 8	(11)
5	02455 67899 99	(12)
4	12267 889	(8)
3	0125	(4)
2	189	(3)
1	2	(1)

(*continued overleaf*)

STAT 220

ASSIGNMENT MARKS – Fall Term, 1996

Assignment 1

Mark distribution:

10	2
9	29
8	14
7	11
6	5
5	1
4	1
3	--
2	--
1	--
	63

Average: 8.08
Median: 8

Assignment 2

Mark distribution:

10	2
9	9
8	12
7	9
6	9
5	6
4	1
3	2
2	1
1	--
	51

Average: 6.98
Median: 7

Assignment 3

Mark distribution:

10	3
9	10
8	11
7	8
6	9
5	5
4	--
3	2
2	2
1	1
	51

Average: 6.94
Median: 7

Assignment 4

Mark distribution:

10	4
9	7
8	14
7	7
6	4
5	10
4	1
3	1
2	--
1	1
	49

Average: 7.06
Median: 8

Assignment 5

Mark distribution:

10	1
9	5
8	7
7	12
6	12
5	7
4	2
3	--
2	--
1	1
	47

Average: 6.62
Median: 7

Assignment 6

Mark distribution:

10	1
9	6
8	12
7	13
6	5
5	2
4	2
3	2
2	--
1	--
	43

Average: 7.09
Median: 7

1996-12-20