

STAT 220
FINAL MARKS, Fall Term, 1994

Number of students	47
Average	62 ³ / ₄ %
S.d.	12 ¹ / ₄ %
Median	63%
IQR	15 ¹ / ₂ %
Pass	96% (45 students)
Fail	4% (2 students)

Distribution of marks (stemplot):

9		(-)
8	038	(3)
7	12234 44579	(10)
6	00001 12234 55555 6688	(19)
5	00011 23556 689	(13)
4	6	(1)
3		(-)
2		(-)
1	3	(1)

ASSIGNMENT SUBMISSION AND FINAL MARKS

Assignments submitted (out of 6)	Adjusted final mark (%)	No.	Av. (%)	S.d. (%)
6	56, 60, 61, 61, 62, 65, 65, 73, 74, 74, 75, 77, 88	13	69	9.0
5	50, 55, 56, 59, 60, 65, 65, 65, 68, 71, 72, 74	12	63	7.4
4	55, 58, 60, 60, 62, 68, 79, 80, 83	9	67	10.7
3	51, 52, 53, 63, 66, 72	6	60	8.7
2	50, 50, 51, 66	4	54	7.8
1	--	-	--	---
0	13, 46	2	30	23.3

These observations raise the following points of interest:

- Only one of the 25 students who submitted 5 or 6 assignments came close to failing the course.
 - Nine of the 13 students with a final mark of 70% or greater submitted 5 or 6 assignments.
- The two students with a failing final mark submitted no assignments.
 - The highest final mark was 66% among students submitting 2 or fewer assignments.

Ass. sub.	No.	Av. (%)
5,6	25	66
3,4	15	64
0,1,2	6	46

- 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 3 percentage points of average final grade per assignment submitted.
- The average number of assignments submitted was 4.35 (72%) and the average assignment mark (out of 10) was 6.79 (68%).
 - The product (about 49%) of these two percentages suggests that the ‘average’ student in STAT 220 demonstrated competence in about *half* the assignment material.

(continued overleaf)

STAT 220
FINAL EXAMINATION MARKS, Fall Term, 1994

Number of students	47
Average	60½%
S.d.	12½%
Median	60%
IQR	16½%
Pass	83% (39 students)
Fail	17% (8 students)

Distribution of marks (stemplot):

9		(-)
8	024	(3)
7	00223 4449	(9)
6	00012 33566 788	(13)
5	00223 46677 7888	(14)
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4	34468 88	(7)
3		(-)
2		(-)
1	7	(1)

STAT 220**QUIZ #1 MARKS – Fall Term, 1994**

Number of students	48
Average	71%
S.d.	14¾%
Median	74%
IQR	19½%
Pass	90% (43 students)
Fail	5% (5 students)

Distribution of marks (stemplot):

9 013	(3)
8 11111 22234 5888	(14)
7 11124 45668 99	(12)
6 00022 24667 8	(11)
5 999	(3)
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4 337	(3)
3 5	(1)
2 9	(1)
1	(-)

STAT 220**QUIZ #2 MARKS – Fall Term, 1994**

Number of students	45
Average	68¼%
S.d.	16½%
Median	65%
IQR	23%
Pass	89% (40 students)
Fail	11% (5 students)

Distribution of marks (stemplot):

10 0135	(4)
9 1	(1)
8 01125 9	(6)
7 01122 24678	(10)
6 11112 25556	(10)
5 00344 4569	(9)
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4 34456	(5)
3	(-)
2	(-)
1	(-)

STAT 220
ASSIGNMENT MARKS – Fall Term, 1994

Assignment 1

Mark distribution:

10	1
9	10
8	15
7	8
6	3
5	2
4	--
3	--
2	--
1	--
	39

Average: 7.79
Median: 8

Assignment 2

Mark distribution:

10	--
9	5
8	11
7	7
6	10
5	2
4	2
3	--
2	--
1	--
	37

Average: 7.03
Median: 7

Assignment 3

Mark distribution:

10	--
9	6
8	4
7	4
6	1
5	5
4	1
3	4
2	--
1	--
	25

Average: 6.44
Median: 7

Assignment 4

Mark distribution:

10	--
9	2
8	2
7	5
6	8
5	13
4	5
3	1
2	1
1	--
	37

Average: 5.59
Median: 5

Assignment 5

Mark distribution:

10	--
9	6
8	18
7	7
6	4
5	1
4	1
3	--
2	--
1	--
	37

Average: 7.57
Median: 8

Assignment 6

Mark distribution:

10	--
9	--
8	6
7	4
6	9
5	5
4	1
3	1
2	2
1	--
	28

Average: 5.93
Median: 6