STAT 220

FINAL MARKS, Fall Term, 1995

Number of students   61
Average 62½%
S.d. 14¼%
Median 63%
IQR 18%
Pass   . . . .   87% (53 students)
Fail   . . . .   13% (8 students)

Distribution of marks (stemplot):

```
9 | 1                              ( 1)
8 | 01355 68                       ( 7)
7 | 01112 24777 7                  (11)
6 | 13333 45567 8889               (14)
5 | 00012 33355 56777 78999        (20)
  ─────────────────────────────
4 | 24556                          ( 5)
3 | 23                             ( 2)
2 | 4                              ( 1)
1 |                                ( –)
```

ASSIGNMENT SUBMISSION AND FINAL MARKS

Assignments submitted (out of 6)	Adjusted final mark (%)	No.	Av. (%)	S.d. (%)
6	46, 53, 59, 59, 61, 63, 63, 63, 64, 65, 66 67, 68, 68, 68, 69, 70, 71, 71, 72, 74, 77 77, 77, 77, 80, 81, 83, 85, 85, 86, 88, 91	33	71	10.4
5	24, 42, 50, 50, 55, 56, 57, 63, 65, 71, 72	11	55	13.8
4	32, 57	2	44	17.7
3	51, 55, 58	3	55	3.5
2	45, 45, 50, 53, 53	5	49	4.0
1	33, 44	2	38	7.8
0	59	1	59	---

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

- Only three of the 44 students who submitted 5 or 6 assignments failed the course; one of these students had consistently weak term work and missed a quiz for illness, another had assignment marks consistently higher than quiz and exam marks.
  - All of the 19 students with a final mark of 70% or greater submitted 5 or 6 assignments.

- Four of the 8 students with a failing final mark submitted 2 or fewer assignments.
  - The highest final mark was 59% 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 about 3 percentage points of average final grade per assignment submitted.

Ass. sub.	No.	Av. (%)
5, 6	44	67
3, 4	5	51
0, 1, 2	8	48

- The average number of assignments submitted was 4.95 (82%) and the average assignment mark (out of 10) was about 7.69 (77%).
  - The product (about 63%) of these two percentages suggests that the 'average' student in the course demonstrated competence in *approaching two-thirds* of the assignment material.

(*continued overleaf*)

STAT 220

FINAL EXAMINATION MARKS, Fall Term, 1995

Number of students   61
Average 58%
S.d. 13¾%
Median 59%
IQR 19½%
Pass   . . . .   69% (42 students)
Fail   . . . .   31% (19 students)

Distribution of marks (stemplot):

```
9|                        ( -)
8|1278                    ( 4)
7|00224 56778             (10)
6|00011 12222 2588        (14)
5|01123 46666 7999        (14)
─────────────────────────────
4|00023 66668 89999       (15)
3|569                     ( 3)
2|3                       ( 1)
1|                        ( -)
```

STAT 220

QUIZ #1 MARKS – Fall Term, 1995

Number of students   60

Average 79½%

S.d. 13%

Median 81½%

IQR 14½%

Pass   .   .   .   .   97% (58 students)

Fail   .   .   .   .   3% (2 students)

Distribution of marks (stemplot):

```
9 00112 33346 7                        (11)
8 00111 12222 23355 56888 88899        (25)
7 11122 34778 99999                    (15)
6 12568 9                              ( 6)
5 2                                    ( 1)
─────────────────────────────────────────
4                                      ( –)
3 5                                    ( 1)
2 8                                    ( 1)
1                                      ( –)
```

STAT 220

QUIZ #2 MARKS – Fall Term, 1995

Number of students   61

Average 59¾%

S.d. 17½%

Median 57%

IQR 24%

Pass   .   .   .   .   75% (46 students)

Fail   .   .   .   .   25% (15 students)

Distribution of marks (stemplot):

```
9 024                                  ( 3)
8 02234 8                              ( 6)
7 24566 889                            ( 8)
6 01356 66699 9                        (11)
5 00111 22345 56666 799                (18)
─────────────────────────────────────────
4 12356 899                            ( 8)
3 1189                                 ( 4)
2 135                                  ( 3)
1                                      ( –)
```

STAT 220

ASSIGNMENT MARKS – Fall Term, 1995

(excludes four students who copied assignment solutions)

Assignment 1

Mark distribution:

10	9
9	27
8	11
7	3
6	2
5	--
4	--
3	--
2	--
1	--
	52

Average: 8.73
Median: 9

Assignment 2

Mark distribution:

10	2
9	22
8	9
7	9
6	3
5	2
4	1
3	--
2	--
1	--
	48

Average: 8.02
Median: 8½

Assignment 3

Mark distribution:

10	2
9	10
8	13
7	6
6	4
5	3
4	1
3	2
2	1
1	--
	42

Average: 7.31
Median: 8

Assignment 4

Mark distribution:

10	5
9	11
8	7
7	5
6	9
5	7
4	6
3	--
2	--
1	--
	50

Average: 7.06
Median: 7

Assignment 5

Mark distribution:

10	1
9	9
8	14
7	16
6	6
5	3
4	1
3	--
2	--
1	--
	50

Average: 7.40
Median: 7

Assignment 6

Mark distribution:

10	3
9	9
8	9
7	14
6	6
5	2
4	1
3	--
2	1
1	--
	45

Average: 7.40
Median: 7

1995-12-20