

Midterm 1 Grade Distribution for 103

This STATA file should be read as follows. Listed in the data are the min, max, quartiles, mean, median and standard deviation. The column labeled centile is the median. To see the distribution of the final grades out of 100 points refer to the data labeled "final". Below the overall summaries statistics, I have broken up the distributions by the problem part. For example, _1a refers to the data on problem 1a; and 1aii refers to problem 1a from Part 2. In addition, _1_total refers to all the parts of problem 1 aggregated together. Also, Part1 and Part2 refers to each section of the exam in total.

In summary, the mean exam score was 83.64 out of 100 with a standard deviation of 6.86. The median was 85 and the range of scores was from 66 to 94 out of 100. 88 or above denotes the 75th percentile. On the other hand, the 25th percentile is bordered by a score of 80. The tenth and ninetieth percentiles are border by scores of 73 and 91, respectfully.

On average, the scores were good, but we will not assign letter grades until the end of the course.

The questions were each worth the following number of points:

1a: 5
1b: 7
1_total: 12
2a: 6
2b: 6
2_total: 12
3: 5
4: 5
5: 6
6: 10
Part1: 50
1aii: 3
1bii: 4
1cii: 5
1dii: 2
1ii_total: 14
2ii: 4
3ii: 10
4ii: 8
5ii: 10
6ii: 4
Part2: 50
Final: 100

```

-----
-
      log:  C:\DATA\MT1SP06.log
      log type:  text
      opened on:  24 Feb 2006, 22:34:10

```

```

. use "C:\Documents and Settings\David Agrawal\My Documents\100BS06Kaufman\mt1d
> atastats.dta", clear

```

FINAL GRADE SUMMARY STATISTICS

```

. sum  final

```

Variable	Obs	Mean	Std. Dev.	Min	Max
final	25	83.64	6.861001	66	94

```

. centile  final

```

Variable	Obs	Percentile	Centile	-- Binom. Interp. -- [95% Conf. Interval]	
final	25	50	85	80.20832	88

```

. codebook  final

```

```

-----
final (unlabeled)
-----

```

```

      type:  numeric (byte)

      range:  [66,94]           units:  1
      unique values:  16       missing .:  0/25

      mean:      83.64
      std. dev:  6.861

      percentiles:      10%      25%      50%      75%      90%
                       73       80       85       88       91

```

DETAILED STATISTICS

```

. sum  _1a _1b _1_total _2a _2b _2_total _3 _4 _5 _6 part1 _1a1i _1b1i _1c1i _1
> dii _1i1i_total _2i1i _3i1i _4i1i _5i1i _6i1i part2 final

```

Variable	Obs	Mean	Std. Dev.	Min	Max
_1a	25	4.64	.9521905	1	5
_1b	25	6.44	1.121011	3	7
_1_total	25	11.08	1.552417	6	12
_2a	25	5.04	1.428286	3	6
_2b	25	4.56	1.416569	2	6
_2_total	25	9.6	1.979057	5	12

_3		25	4.44	1.356466	1	5
_4		25	2.28	1.904381	1	5
_5		25	3.6	2.179449	0	6
_6		25	9.04	1.74356	5	10

part1		25	40.04	4.765151	29	46
_1aii		25	2.8	.5	1	3
_1bii		25	4	0	4	4
_1cii		25	4.84	.6244998	2	5
_1dii		25	1.88	.3316625	1	2

_lii_total		25	13.52	.8225975	11	14
_2ii		25	4	0	4	4
_3ii		25	9.6	.9574271	6	10
_4ii		25	6.6	1.683251	2	8
_5ii		25	8.2	2.516611	2	10

_6ii		25	1.68	.7483315	1	4
part2		25	43.6	3.752777	35	49
final		25	83.64	6.861001	66	94

```
. centile _1a _1b _1_total _2a _2b _2_total _3 _4 _5 _6 part1 _1aii _1bii _1ci
> i _1dii _lii_total _2ii _3ii _4ii _5ii _6ii part2 final
```

Variable	Obs	Percentile	Centile	-- Binom. Interp. -- [95% Conf. Interval]	
_1a		25	50	5	5
_1b		25	50	7	6.104158
_1_total		25	50	12	11
_2a		25	50	6	3.312474
_2b		25	50	4	3.104158
_2_total		25	50	9	9
_3		25	50	5	11.79168
_4		25	50	1	5
_5		25	50	4	4.583368
_6		25	50	10	1.104158
part1		25	50	41	39
_1aii		25	50	3	43.79168
_1bii		25	50	4	3
_1cii		25	50	5	4
_1dii		25	50	2	5
_lii_total		25	50	14	2
_2ii		25	50	4	13.10416
_3ii		25	50	10	14
_4ii		25	50	7	4
_5ii		25	50	10	10
_6ii		25	50	2	6
part2		25	50	44	8
final		25	50	85	10

```
. codebook _1a _1b _1_total _2a _2b _2_total _3 _4 _5 _6 part1 _1aii _1bii _1ci
> i _1dii _lii_total _2ii _3ii _4ii _5ii _6ii part2 final
```

```
----- (unlabeled) -----
```

type: numeric (byte)
range: [1,5] units: 1
unique values: 4 missing .: 0/25

tabulation: Freq. Value
1 1
2 3
1 4
21 5

_1b (unlabeled)

type: numeric (byte)
range: [3,7] units: 1
unique values: 3 missing .: 0/25

tabulation: Freq. Value
2 3
6 6
17 7

_1_total (unlabeled)

type: numeric (byte)
range: [6,12] units: 1
unique values: 5 missing .: 0/25

tabulation: Freq. Value
1 6
2 8
1 10
7 11
14 12

_2a (unlabeled)

type: numeric (byte)
range: [3,6] units: 1
unique values: 2 missing .: 0/25

tabulation: Freq. Value
8 3
17 6

_2b (unlabeled)

_5 (unlabeled)

type: numeric (byte)
range: [0,6] units: 1
unique values: 7 missing .: 0/25

tabulation: Freq. Value
1 0
7 1
1 2
1 3
5 4
2 5
8 6

_6 (unlabeled)

type: numeric (byte)
range: [5,10] units: 1
unique values: 4 missing .: 0/25

tabulation: Freq. Value
3 5
1 7
3 8
18 10

part1 (unlabeled)

type: numeric (byte)
range: [29,46] units: 1
unique values: 12 missing .: 0/25

mean: 40.04
std. dev: 4.76515

percentiles: 10% 25% 50% 75% 90%
32 39 41 44 45

_1aii (unlabeled)

type: numeric (byte)
range: [1,3] units: 1
unique values: 3 missing .: 0/25

```
tabulation: Freq. Value
             1  1
             3  2
            21  3
```

_lbii (unlabeled)

```
type: numeric (byte)
range: [4,4] units: 1
unique values: 1 missing .: 0/25
```

```
tabulation: Freq. Value
             25  4
```

_lcii (unlabeled)

```
type: numeric (byte)
range: [2,5] units: 1
unique values: 3 missing .: 0/25
```

```
tabulation: Freq. Value
             1  2
             1  4
            23  5
```

_ldii (unlabeled)

```
type: numeric (byte)
range: [1,2] units: 1
unique values: 2 missing .: 0/25
```

```
tabulation: Freq. Value
             3  1
            22  2
```

_lii_total (unlabeled)

```
type: numeric (byte)
range: [11,14] units: 1
unique values: 4 missing .: 0/25
```

```
tabulation: Freq. Value
             1  11
             2  12
```

5 13
17 14

_2ii (unlabeled)

type: numeric (byte)
range: [4,4] units: 1
unique values: 1 missing .: 0/25
tabulation: Freq. Value
25 4

_3ii (unlabeled)

type: numeric (byte)
range: [6,10] units: 1
unique values: 4 missing .: 0/25
tabulation: Freq. Value
1 6
2 8
2 9
20 10

_4ii (unlabeled)

type: numeric (byte)
range: [2,8] units: 1
unique values: 6 missing .: 0/25
tabulation: Freq. Value
1 2
1 3
4 5
4 6
4 7
11 8

_5ii (unlabeled)

type: numeric (byte)
range: [2,10] units: 1
unique values: 5 missing .: 0/25
tabulation: Freq. Value

```
2 2
1 5
4 6
4 8
14 10
```

```
_6ii (unlabeled)
```

```
type: numeric (byte)
range: [1,4] units: 1
unique values: 4 missing .: 0/25

tabulation: Freq. Value
             11 1
             12 2
             1 3
             1 4
```

```
part2 (unlabeled)
```

```
type: numeric (byte)
range: [35,49] units: 1
unique values: 13 missing .: 0/25

mean: 43.6
std. dev: 3.75278

percentiles: 10% 25% 50% 75% 90%
              38 41 44 46 48
```

```
final (unlabeled)
```

```
type: numeric (byte)
range: [66,94] units: 1
unique values: 16 missing .: 0/25

mean: 83.64
std. dev: 6.861

percentiles: 10% 25% 50% 75% 90%
              73 80 85 88 91
```

```
. exit, clear
```