

HARDEST AND EASIEST QUESTIONS

The hardest questions were:

- Question #7 (k means clustering)
- Question #17 (data reduction)
- Question #4 (summary charts)

The easiest (most liked) questions were:

- Question #1b (misleading chart on unscaled line plot)
- Question #9 (misleading chart on 3D pie charts)
- Question #3 (pie charts vs. bar charts)

1a	1b	1c	2	3	4	5	6	7	8	9	10	11	12	13	14	15a	15b	15c
6.05	8.51	9.44	4.12	18.1	2.26	6.01	8.39	1.7	3.68	1.46	4.24	6.84	6.39	3.86	3.19	4.84	2.79	8.33

GRADING CRITERIA

Performance-based, not curved by distribution

- want students to possess a certain degree of VIS knowledge
- this knowledge has been measured by the exam questions

Based on 20 (sub)questions, all gave 10 points, so max = 200

- an **A student** would answer at least 15 (3/4) questions 80% correctly to reach **120 points** or more
- a **B student** would answer at least 10 (1/2) questions 80% correctly to reach **80 points** or more
- a **C student** would answer at least 5 (1/4) questions 80% correctly to reach **40 points** or more
- an **F student** would not be able to answer at least 5 (1/4) questions 80% correctly and so would reach less than 40 points
- plus and minus refinements would apply linearly within each range
- the maximum number of points achieved was 157 (average 105)

POINT DISTRIBUTION

