

Some supplementary theory questions.

p.21, Q.13,14.

List an advantage and a disadvantage of heuristic algorithms.

p.60, Q.6,9,10,14.

What is the corner-point principle?

p.159, Q.4,5,6.

p.239 Q.6,7,11.

What can you say about the correlation between

1. the price of used cars and their mileage?
2. the height of adult males and the number of burgers they eat this year?
3. the heights and IQ scores of adult females?

The weight and gas mileage of 15 cars are recorded. The correlation between them is 0.8. The mean weight is 2500 kg and the standard deviation is 150 kg. The mean gas mileage is 14 mpg and the standard deviation is 1.2 mpg. Identify the response and explanatory variables and find the least squares regression line.

For probability theory questions, see quiz and Hour Exam 2.

p.287 Q.4,5,8,9,11.

Statistics, see quiz and hour exam 2.

p.314 Q.1,2,6,7,11,12

Social choice, see last homework set.

Know what the various voting methods are. Know what the Condorcet Winner's criterion, Independence of irrelevant alternatives, pareto condition and monotonicity are.

p.434 Q.16,17.