1. i)Theory

ii) Experiment

iii) Computation

1. Three different applications of Computational and Data Sciences are:

Self data driven modeling

Predictive modeling

numerical simulation

1. i) plausible reasoning - it will rain by 10 am at least, the sky will become cloudy before 10 pm.

ii) Deductive reasoning

Example - All noble gases are stable. Helium is a noble gas, so helium is stable.

1. i) if a man comes out with a bag full of jewelry then the man should be a robber.

ii) if a man is wearing a mask then the man should be a robber.

iii) if an alarm sounds and a man is coming out of the store then there should be robbery.