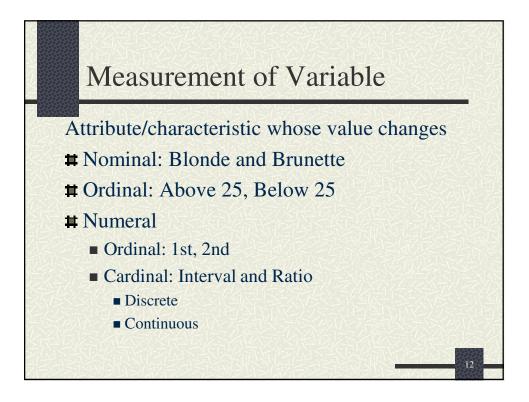
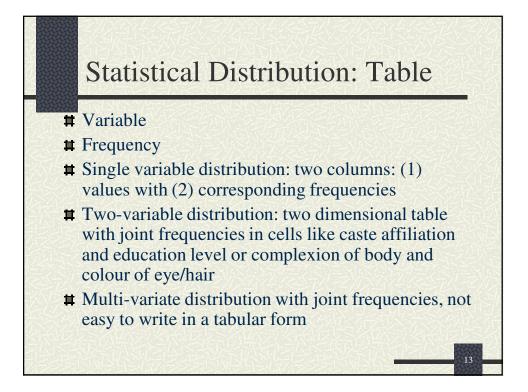
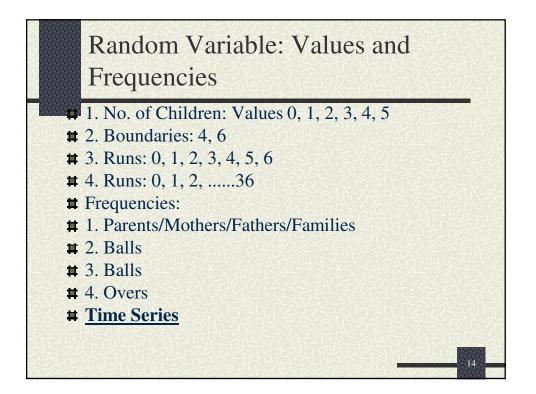


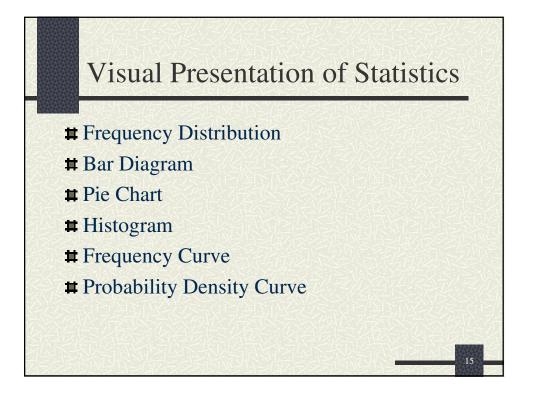
Probability

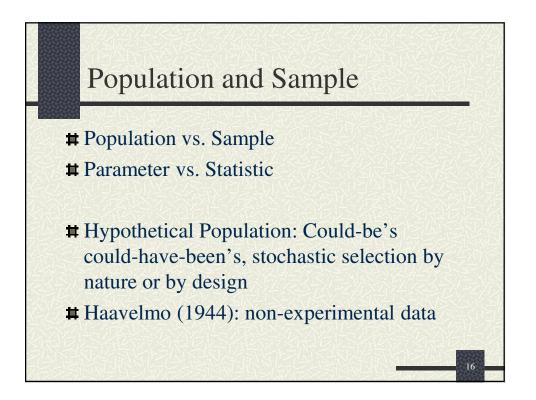
- **#** A number between 0 and 1.
- **#** Sum of all probabilities=1.
- Classical Approach; Frequency approach; Axiomatic approach
- **#** Meaning of zero probability?
- Impossible event has zero probability but converse is not true.

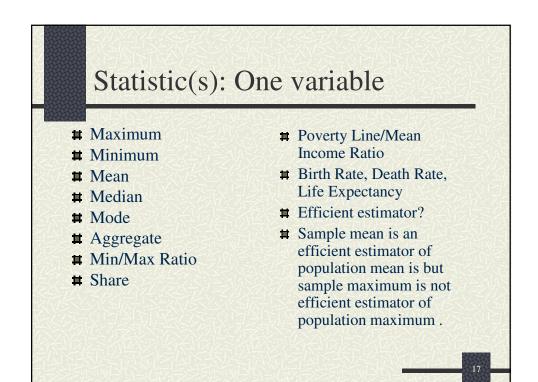


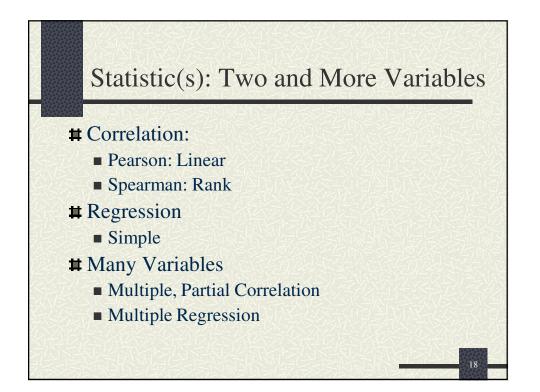


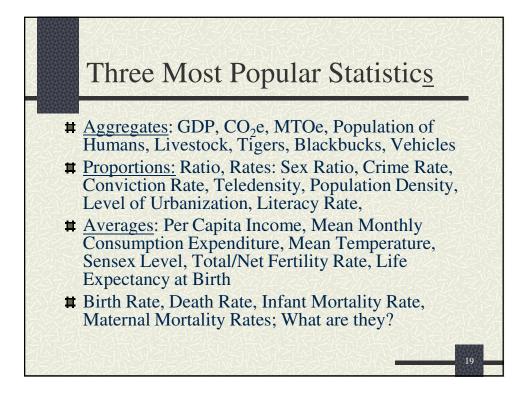


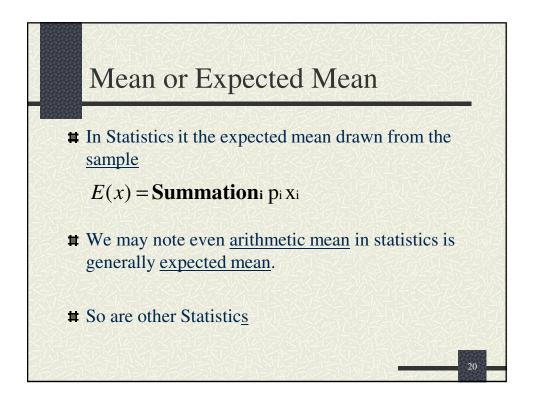


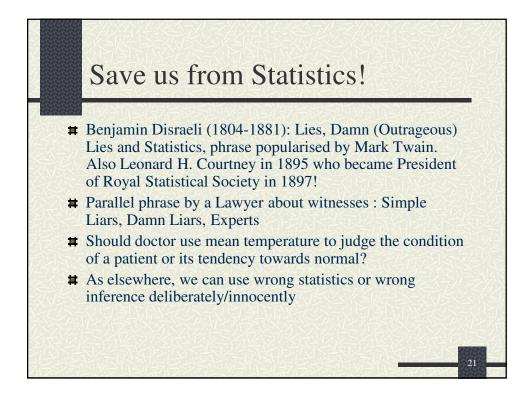


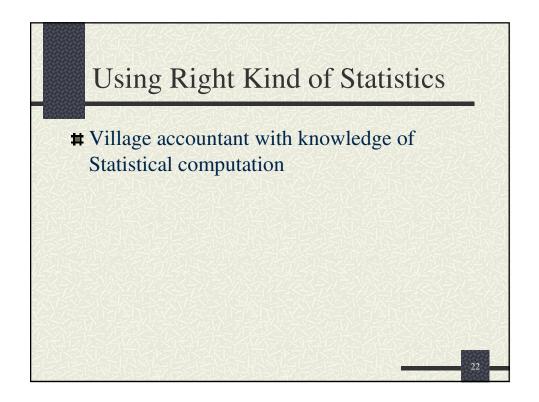


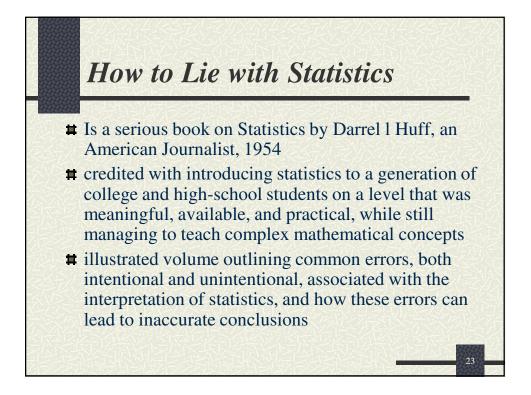


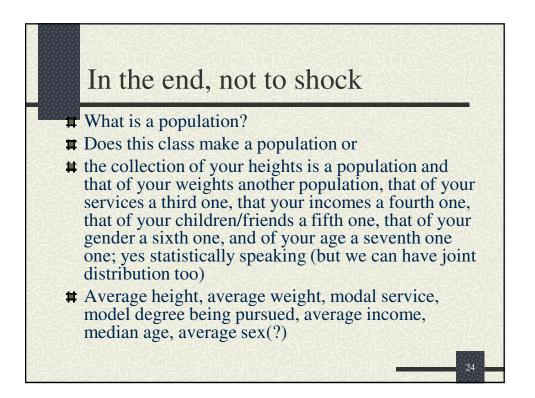


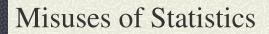












- Professional scientists, even mathematicians
 and professional statisticians, can be fooled
 by even some simple methods, even if they
 are careful to check everything.
- Scientists have been known to fool themselves with statistics due to lack of knowledge of probability theory and lack of standardization of their tests.

