Week-01-L-01

Statistics for Agriculturists

Role of Statistics In Agriculture

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Welcome to the course

Week-01

Use of Statistics in Agriculture

Week-02

Sampling Techniques

Week-03

Hypothesis Testing

Week-04

Select a Statistical Model

Week-05

Data Presentation & Interpretation

Week-06

ICT and Digital Applications

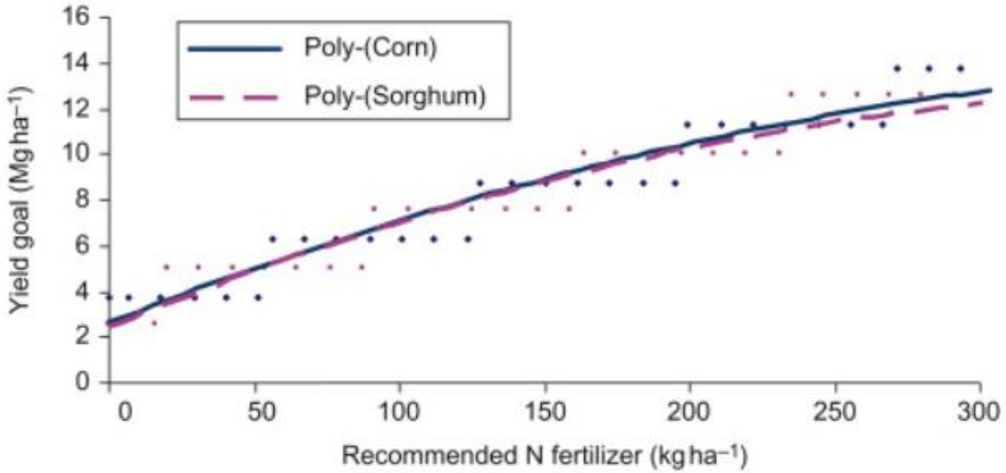
Relation

Statistics = science of probability.
Agriculture is probabilistic in nature.

A study of these probabilities and their analysis helps us derive results, and we can then further research and develop technologies accordingly.

In less words, more information is passed through figures and graphs, logically and easily.

Source: www.fao.org



Source: www.sciencedirect.com

Role of Statistics in Agriculture

Collection

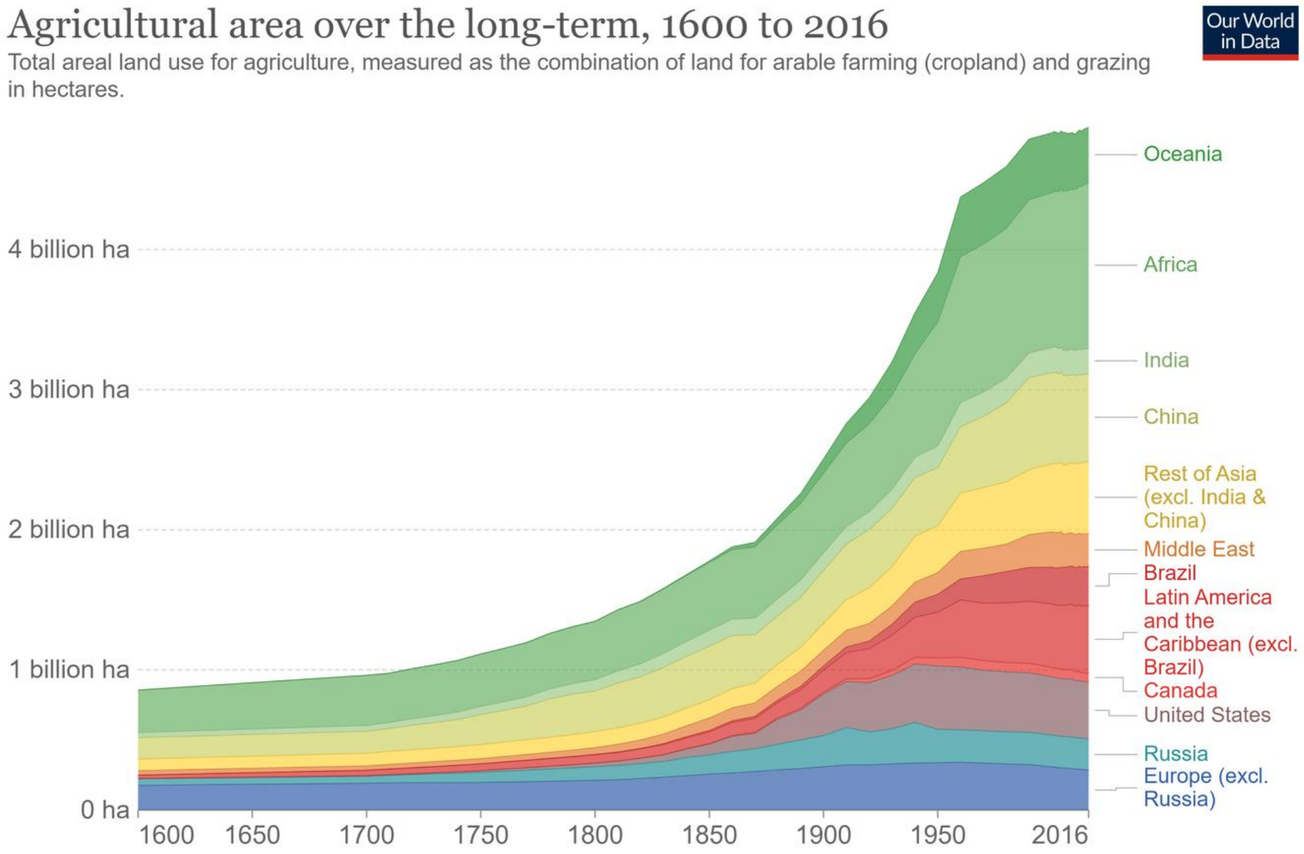
Making decisions and doing analysis is driven by the data received and collecting data is driven by many factors.

Source

Data, when collected directly by the user, is primary, but when used from some organization is secondary.

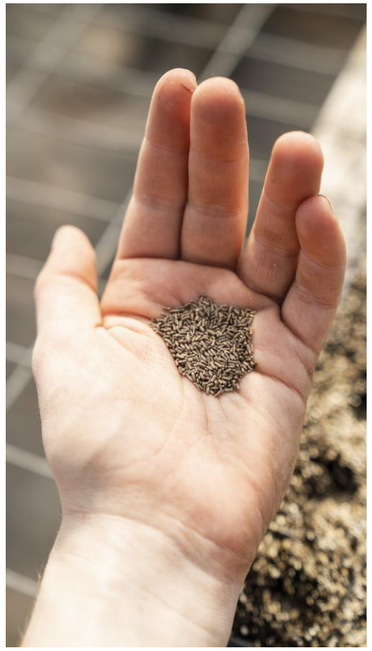
Entry

Collation of data should be done with care so that till the end the results obtained are pure and not altered



Source: www.ourworldindata.org

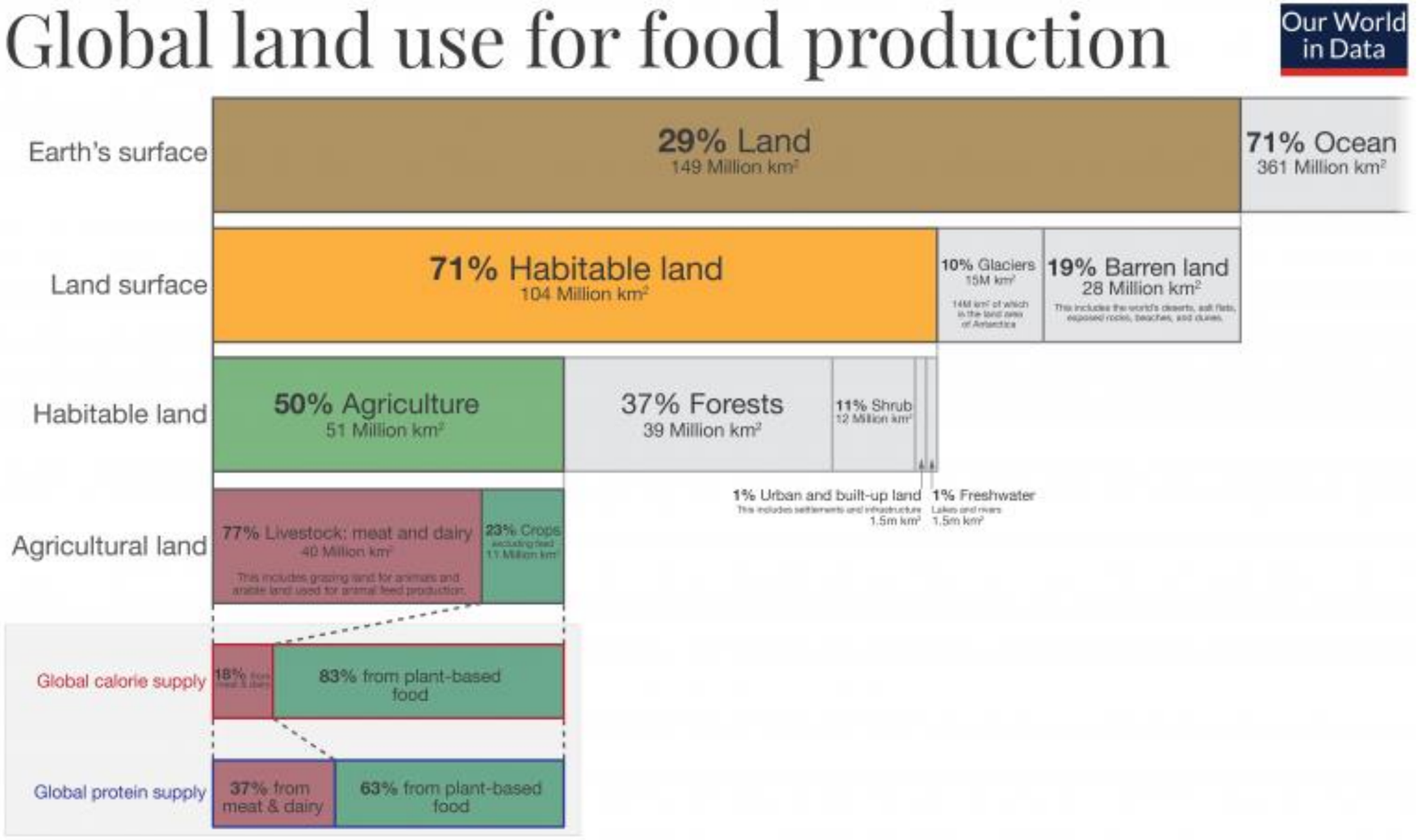
Example #1



Source: www.unsplash.com

Studying particular factors on agricultural production, measuring of contribution of production factors and technical progress to assess the growth of national product, tendencies of production lines in agriculture, etc.

Example #2



Source: www.ourworldindata.org

Thank you