



# THE NINTH MANAGEMENT SEMINAR FOR HEADS OF NSOs IN ASIA AND THE PACIFIC



## ‘Looking Beyond “Now” And Equipping NSOs With The Professional Capability Required For The Future’ – MALAYSIA’S EXPERIENCE



By:

**Ms. Wan Ramlah Wan Abd Raof**  
**Chief Statistician,**  
**Department of Statistics, Malaysia**



# AREAS OF CONCERN THAT ARE NEEDED FOR SHAPING UP FUTURE STATISTICIANS

A. Data Collection

B. Data Estimation

C. Data Dissemination / Communication

D. Data Analysis

E. Professional Capabilities





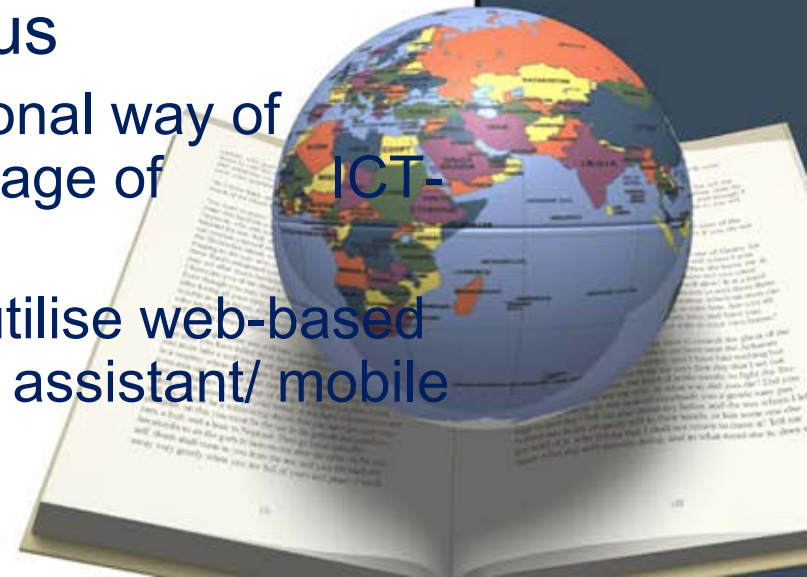
# A. Data Collection

## i. Right-sizing of resources

- ❖ More dependent on administrative records through data tapping from respective agencies without compromising the needs of users.
- ❖ It is foreseen to be able to reduce cost in hiring more staff and conducting new surveys, and improve timeliness.

## ii. ICT-Assisted Survey/ Census

- ❖ Minimize the use of conventional way of collecting data; Increase in usage of Assisted Technology .
- ❖ More surveys/ censuses will utilise web-based approach and personal digital assistant/ mobile phone facilities





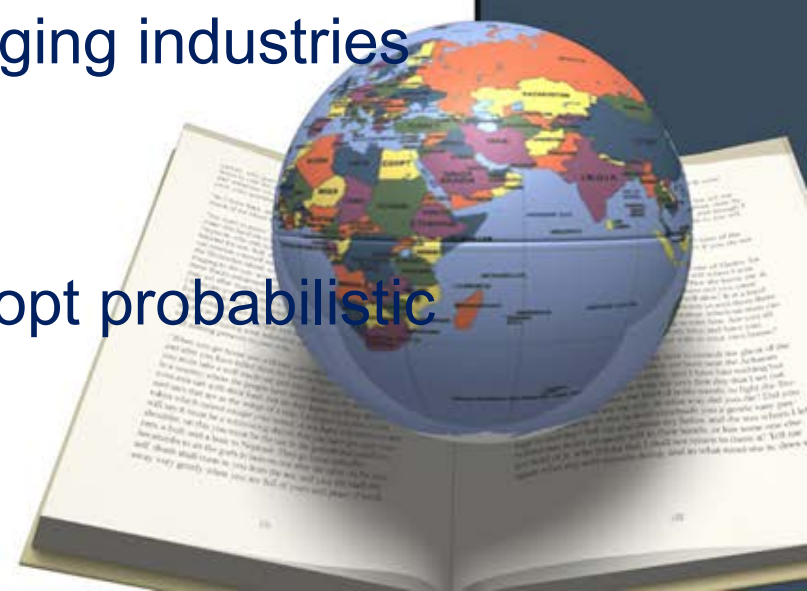
## B. Data Estimation

- ❖ Collaborations between statisticians and universities on empirical study.

- ❖ Mapping actual problems into formal statistical models.

For example, requests for statistical estimates for the new emerging industries and specific areas.

- ❖ New/ additional surveys adopt probabilistic sampling approach





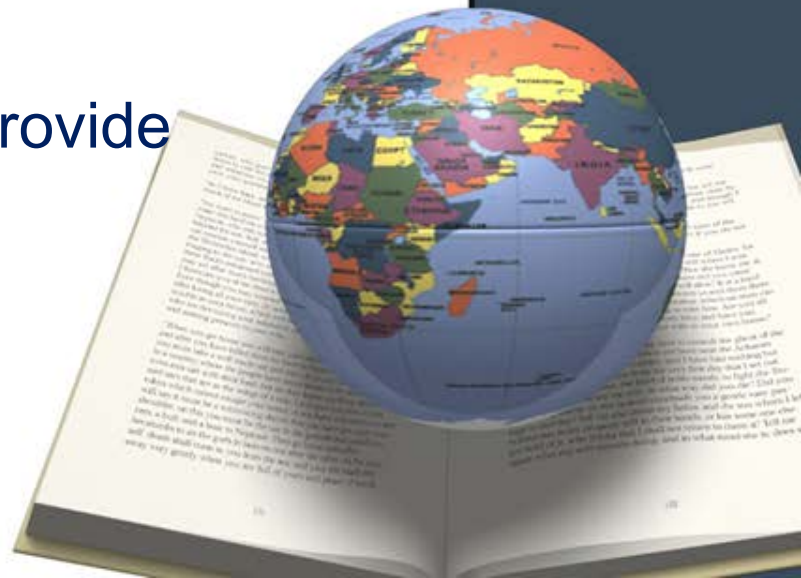
## C. Data Dissemination vs. Communication



### ❖ Data Communication

*Sharing of information between statisticians and users in a way to maximise understanding:*

- Migration from data dissemination to data communication
- More interactive and able to provide integrated visualisation





## D. Data Analysis

- ❖ An explanation about the data in terms of their `ups' and `downs' is no longer sufficient.
  
- ❖ It is imperative that the data are to be analysed in a wider and comprehensive manner, by associating them with other factors that:
  - contribute to the data; and
  - affect from the data.

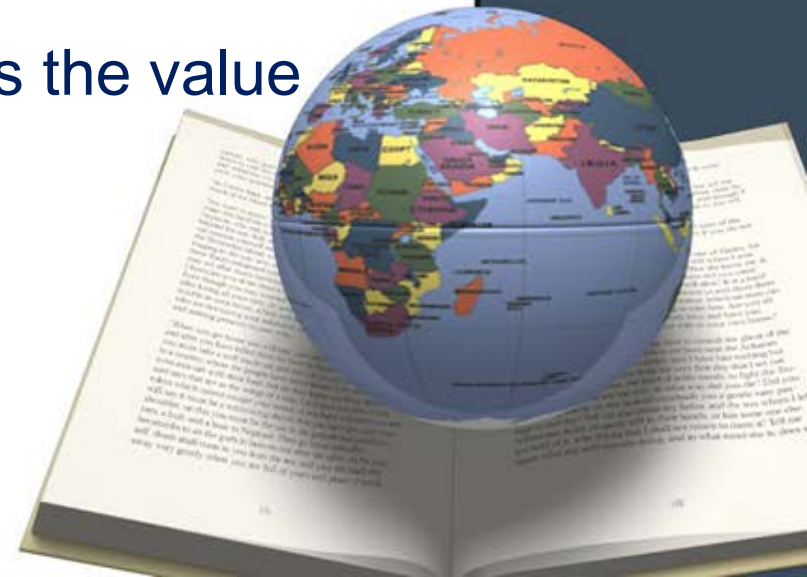




# E. Professional Capabilities



- ❖ Hard-skills
  - The knowledge and skills of the subject matters relating to data collection, data estimation, data analysis and data communication
  - The know how in ICT that adds the value





# E. Professional Capabilities



## ❖ Soft-skills

The abilities required that have become as equally important as hard-skills, that will provide rooms for the statisticians to advance in their career. A high – skilled statistician would become the mentor/role model to his peers.

- Among the area of focus:

- Leadership Skills
- Communication & Negotiation Skills
- Problem solving through creative & innovative measures
- The ability to generalize and perceive the future.







Jabatan Perangkaan  
M A L A Y S I A



# THANK YOU