Distinctions Between the Disciplines

- **Subject matter and content knowledge**
  - Subject Matter Expert (e.g., clinician or biologist)
  - Research fieldwork implementation
  - Research team leadership
  - Minimization of inferential bias

- **Measurement**
  - Advanced research study design
  - Basic research study design
  - Advanced statistical analysis
  - Basic statistical analysis
  - Complex sampling
  - Graphical representation of data
  - Cluster/pattern recognition
  - Generation of new research methods
  - Prediction

- **Advanced statistical analysis**
  - Complex data extraction
  - Complex data collection
  - Complex data storage
  - Complex data organization
  - Complex data manipulation
  - Complex data computing at speed
  - Complex data advanced research study design

- **Scientific dissemination**
  - Epidemiologist/Clinical Researcher
  - Biostatistician
  - Data Scientist
  - Informatician (e.g., Bio/Clinical)

- **Epidemiologist/Clinical Researcher**
  - Minimization of inferential bias
  - Research fieldwork implementation
  - Research team leadership

- **Biostatistician**
  - Basic research study design
  - Basic statistical analysis
  - Complex sampling
  - Graphical representation of data
  - Cluster/pattern recognition
  - Generation of new research methods
  - Prediction

- **Data Scientist**
  - Complex data extraction
  - Complex data collection
  - Complex data storage
  - Complex data organization
  - Complex data manipulation
  - Complex data computing at speed

- **Informatician (e.g., Bio/Clinical)**
  - Complex data advanced research study design
  - Complex data collection
  - Complex data storage
  - Complex data organization
  - Complex data manipulation
  - Complex data computing at speed