

Biostat #2

* Measurement :

① Nominal (Discrete)

- numbers are arbitrary (Not meaningful)
- Numbers indicate different things (colors)

ex

• Gender

1 - Male

2 - Female

• Marital status

1 - Married

0 - Not //

② Ordinal (Discrete)

- numbers are meaningful
- Difference between numbers Not meaningful

ex

• Diagnostic status (cancer grade 1, 2, ...))

• Rank military

• Satisfaction

• Pain scale

• Likert scale

(e.g.)

0 - Strongly disagree

5 - Strongly agree

الترتيب
شخص

• No true Zero

zero can be included
but Not true 0

③ Interval (Continuous)

- numbers meaningful
- Difference meaningful

ex

• Temperature

30°
40°
50°

30°
40°
50°

30°
40°
50°

30°
40°
50°

30°
40°
50°

30°
40°
50°

• Date

• No true Zero

درجة الحرارة صفر لها معنى
• درجة تحت الصفر الحرارة

④ Ratio (Continuous)

- Num. meaning
- Difference //
- ex
- height
- weight
- Distance

• True Zero