

LEVELS OF MEASUREMENT

Identify the level of data measurement of each variable as either *nominal*, *ordinal*, *interval*, or *ratio*.

1. length of residence in a place
2. marital status (single, married)
3. college major
4. height
5. finishing place in a race
(1st, 2nd, 3rd, etc.)
6. car model
7. temperature in degrees Fahrenheit
8. first name
9. birthplace
10. letter grade on a test
11. movie ratings
(1 star, 2 stars, 3 stars, 4 stars)
12. level of satisfaction with a service
(very unsatisfied, unsatisfied, neutral, satisfied, very satisfied)
13. temperature in Kelvins
14. hair color
15. weight in pounds
16. level of agreement/disagreement
with a federal policy
(strongly disagree, disagree, neutral, agree, strongly agree)
17. amount of money in your bank
account
18. percentile ranking of a score on a
standardized test
19. age
20. temperature in degrees Celsius
21. religious affiliation
22. gender
23. the date of the year
24. restaurant ratings
(1 star, 2 stars, 3 stars, 4 stars, 5 stars)
25. numerical grade on a test

Answers:

- i. *ratio*
- ii. *nominal*
- iii. *nominal*
- iv. *ratio*
- v. *ordinal*
- vi. *nominal*
- vii. *interval*
- viii. *nominal*
- ix. *nominal*
- x. *ordinal*
- xi. *ordinal*
- xii. *ordinal*
- xiii. *ratio*
- xiv. *nominal*
- xv. *ratio*
- xvi. *ordinal*
- xvii. *ratio*
- xviii. *ordinal*
- xix. *ratio*
- xx. *interval*
- xxi. *nominal*
- xxii. *nominal*
- xxiii. *interval*
- xxiv. *ordinal*
- xxv. *ratio*