

BIOS 600 · Quiz 1.1: Data Types

30 August 2011

1. **Honor Pledge:** I have neither given nor received unauthorized aid on this assignment.

(Sign and print your name.)

2. In order to determine the prevalence of diabetes in the Kingdom of Tonga, researchers collected several types of data from study participants. (Colagiuri et al., 2002) For example, researchers recorded each participant's age (years), weight (kg), height (cm), waist circumference (cm), family history of diabetes (yes/no), smoking status (yes/no), alcohol consumption (none, 1 drink/week, more than 1 drink/week), and village.

Determine the data type of each variable. Mark an × for each data type that applies.

| | Nominal | Ordinal | Interval | Ratio | Categorical |
|----------------------------|---------|---------|----------|-------|-------------|
| age | | | | | |
| weight | | | | | |
| height | | | | | |
| waist circumference | | | | | |
| family history of diabetes | | | | | |
| smoking status | | | | | |
| alcohol consumption | | | | | |
| village | | | | | |

References

Colagiuri, S., Colagiuri, R., Na'ati, S., Muimuiheata, S., Hussain, Z., and Palu, T. (2002), "The Prevalence of Diabetes in the Kingdom of Tonga," *Diabetes Care*, 25, 1378 – 1383.