

## Diabetes Dataset

These data are courtesy of Dr John Schorling, Department of Medicine, University of Virginia School of Medicine.

The data consist of 19 variables on 403 subjects from 1046 subjects who were interviewed in a study to understand the prevalence of obesity, diabetes, and other cardiovascular risk factors in central Virginia for African Americans. According to Dr John Hong, Diabetes Mellitus Type II (adult onset diabetes) is associated most strongly with obesity. The waist/hip ratio may be a predictor in diabetes and heart disease. DM II is also associated with hypertension - they may both be part of "Syndrome X". The 403 subjects were the ones who were actually screened for diabetes. Glycosolated hemoglobin > 7.0 is usually taken as a positive diagnosis of diabetes. For more information about this study see

Willems JP, Saunders JT, DE Hunt, JB Schorling: Prevalence of coronary heart disease risk factors among rural blacks: A community-based study. *Southern Medical Journal* 90:814-820; 1997

and

Schorling JB, Roach J, Siegel M, Baturka N, Hunt DE, Guterbock TM, Stewart HL: A trial of church-based smoking cessation interventions for rural African Americans. *Preventive Medicine* 26:92-101; 1997.

Information from:

<http://biostat.mc.vanderbilt.edu/wiki/pub/Main/DataSets/diabetes.html>

## Data frame:diabetes

403 observations and 19 variables, maximum # NAs:262

Name	Labels	Units	Levels	Storage	NAs
id	Subject ID			double	0
chol	Total Cholesterol			double	1
stab.glu	Stabilized Glucose			double	0
hdl	High Density Lipoprotein			double	1
ratio	Cholesterol/HDL Ratio			double	1
glyhb	Glycosolated Hemoglobin			double	13
location			<u>2</u>	integer	0
age		years		double	0
gender			<u>2</u>	integer	0
height		inches		double	5
weight		pounds		double	1
frame			<u>3</u>	integer	12
bp.1s	First Systolic Blood Pressure			double	5
bp.1d	First Diastolic Blood Pressure			double	5
bp.2s	Second Systolic Blood Pressure			double	262
bp.2d	Second Diastolic Blood Pressure			double	262
waist		inches		double	2
hip		inches		double	2
time.ppn	Postprandial Time when Labs were Drawn	minutes		double	3

Variable	Levels
location	Buckingham
	Louisa
gender	male
	female
frame	small
	medium
	large