Data Profiling Report

- Basic Statistics
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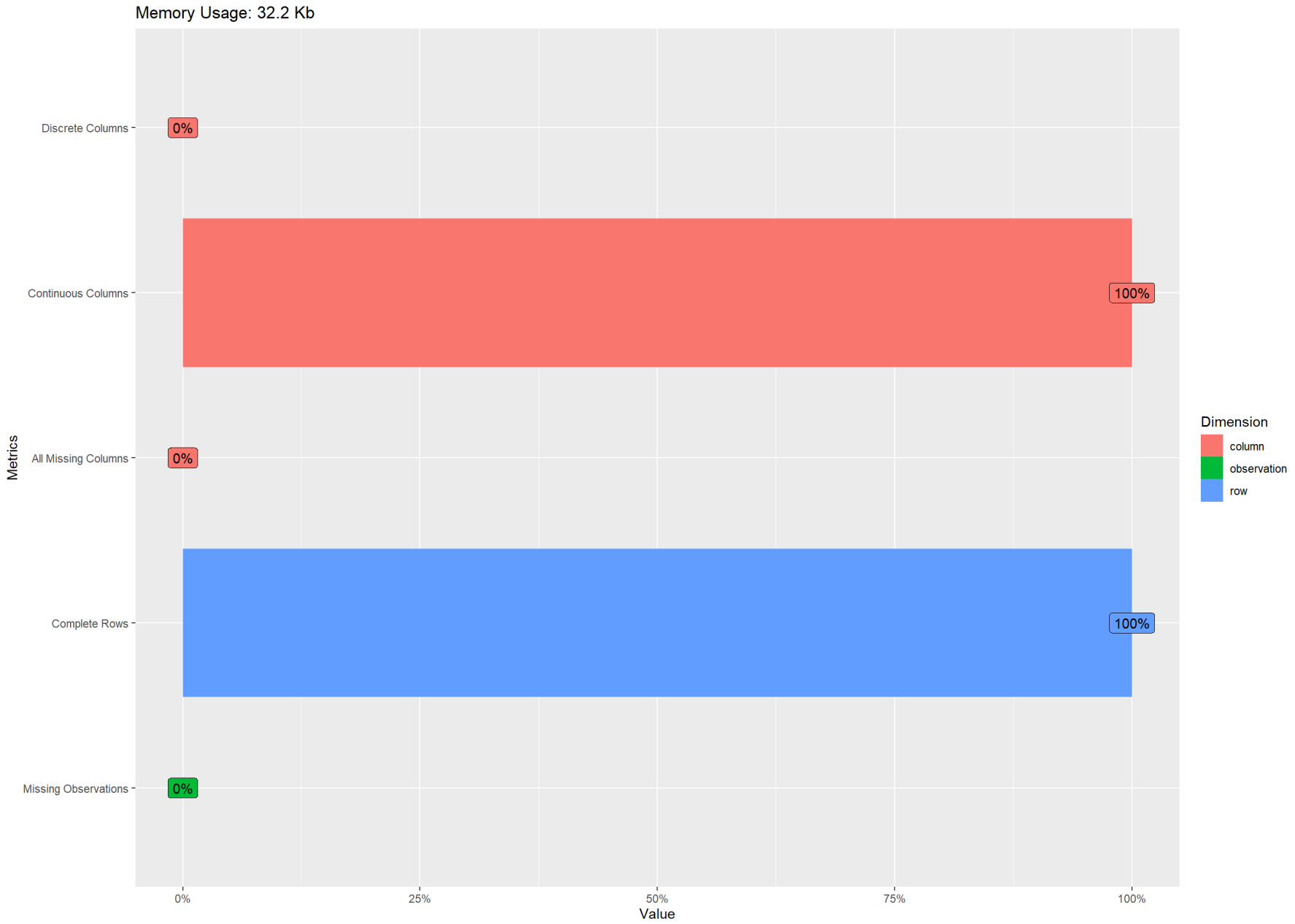
  - Percentages
- Data Structure
- Missing Data Profile
- Univariate Distribution
  - Histogram
  - QQ Plot
- Correlation Analysis
- Principal Component Analysis

Basic Statistics

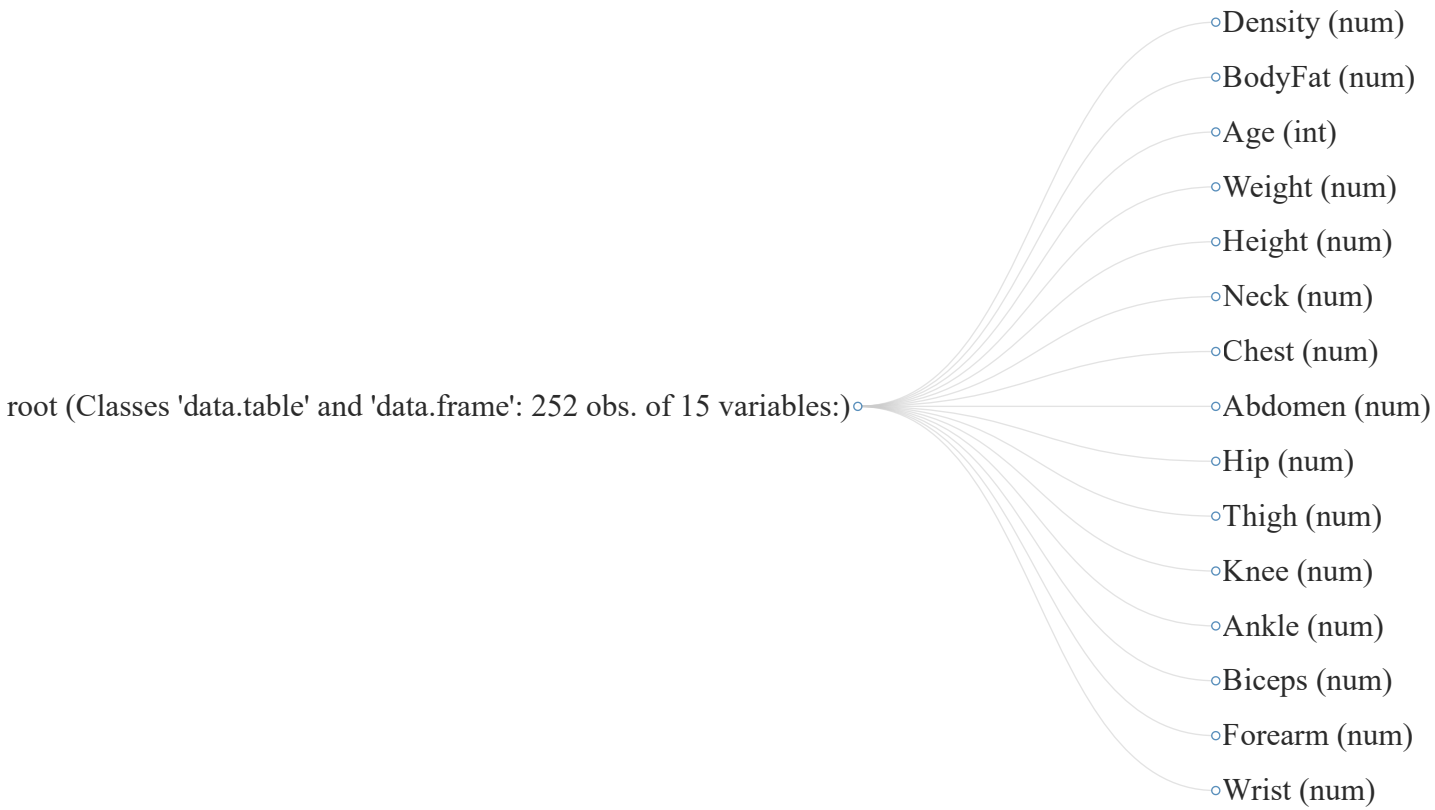
Raw Counts

Name	Value
Rows	252
Columns	15
Discrete columns	0
Continuous columns	15
All missing columns	0
Missing observations	0
Complete Rows	252
Total observations	3,780
Memory allocation	32.2 Kb

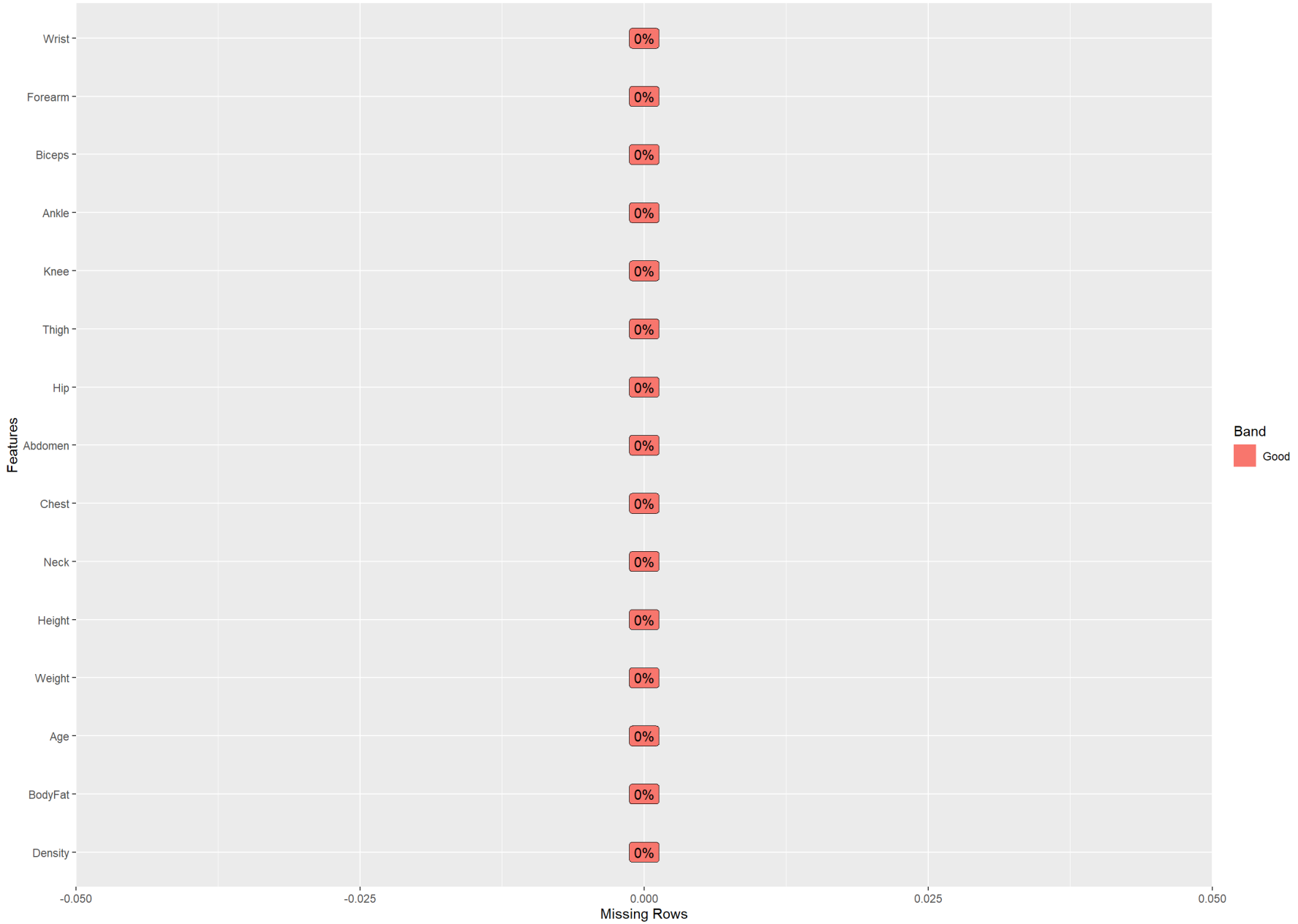
Percentages



Data Structure

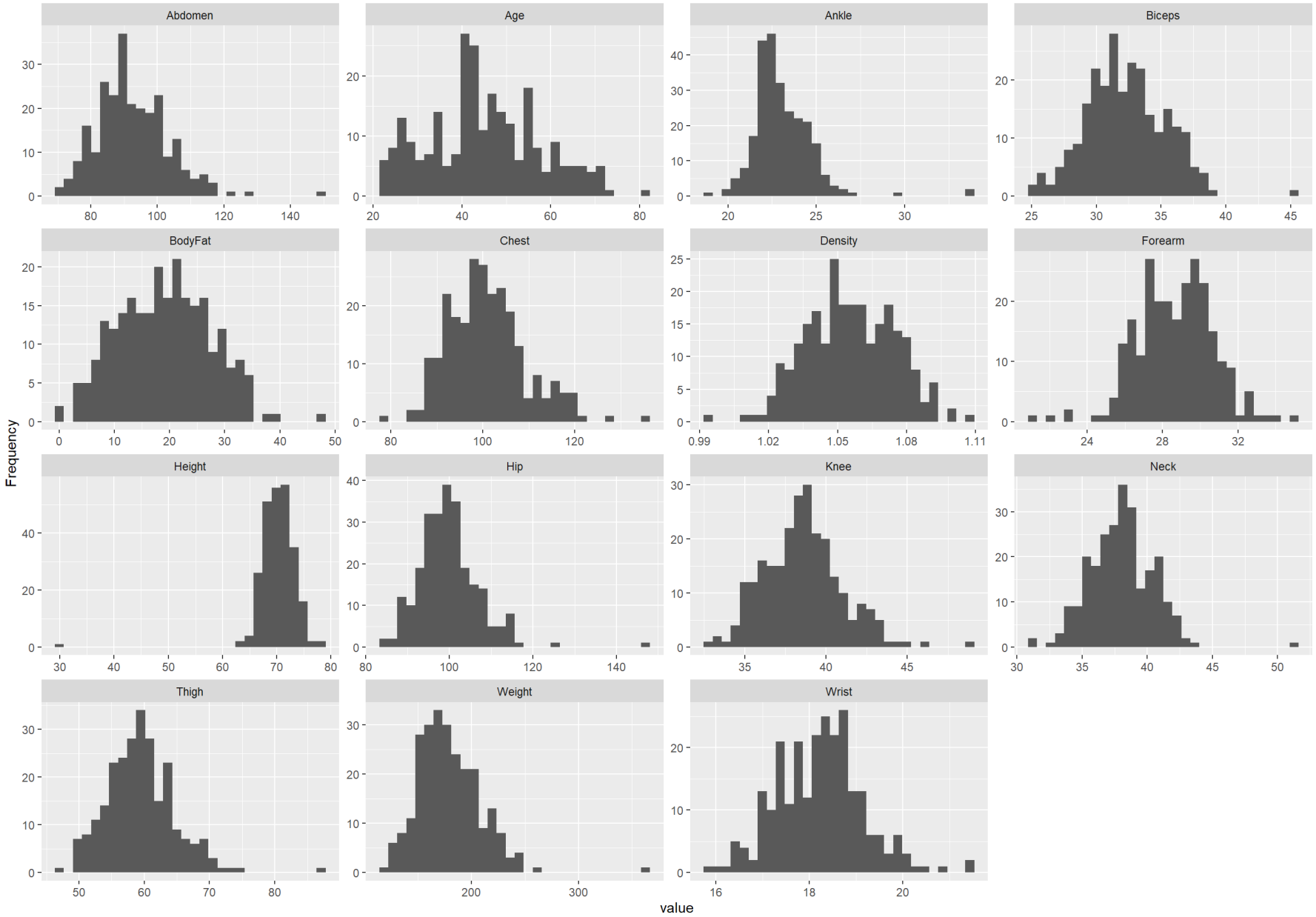

root (Classes 'data.table' and 'data.frame': 252 obs. of 15 variables:)
Density (num)
BodyFat (num)
Age (int)
Weight (num)
Height (num)
Neck (num)
Chest (num)
Abdomen (num)
Hip (num)
Thigh (num)
Knee (num)
Ankle (num)
Biceps (num)
Forearm (num)
Wrist (num)

Missing Data Profile

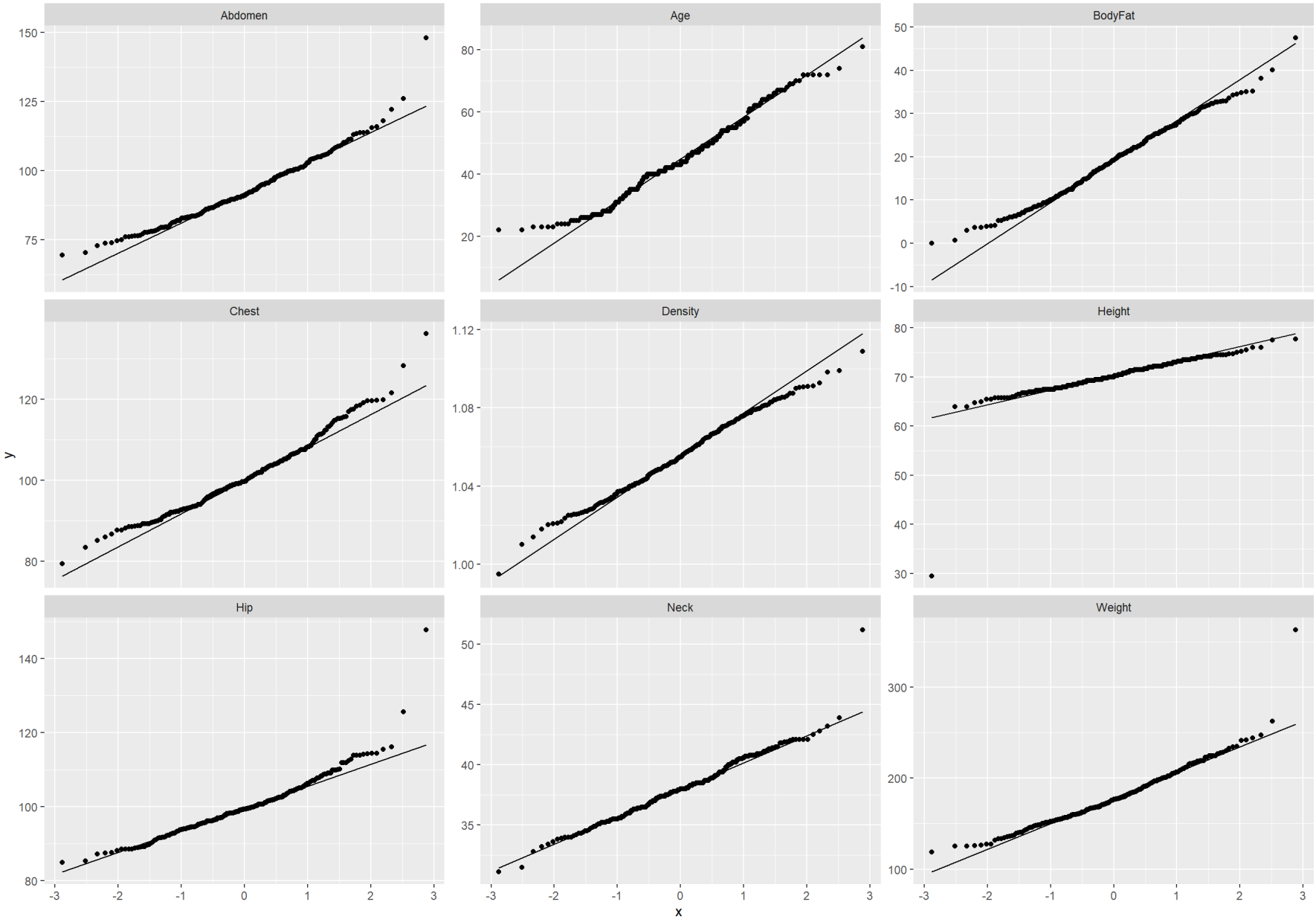


Univariate Distribution

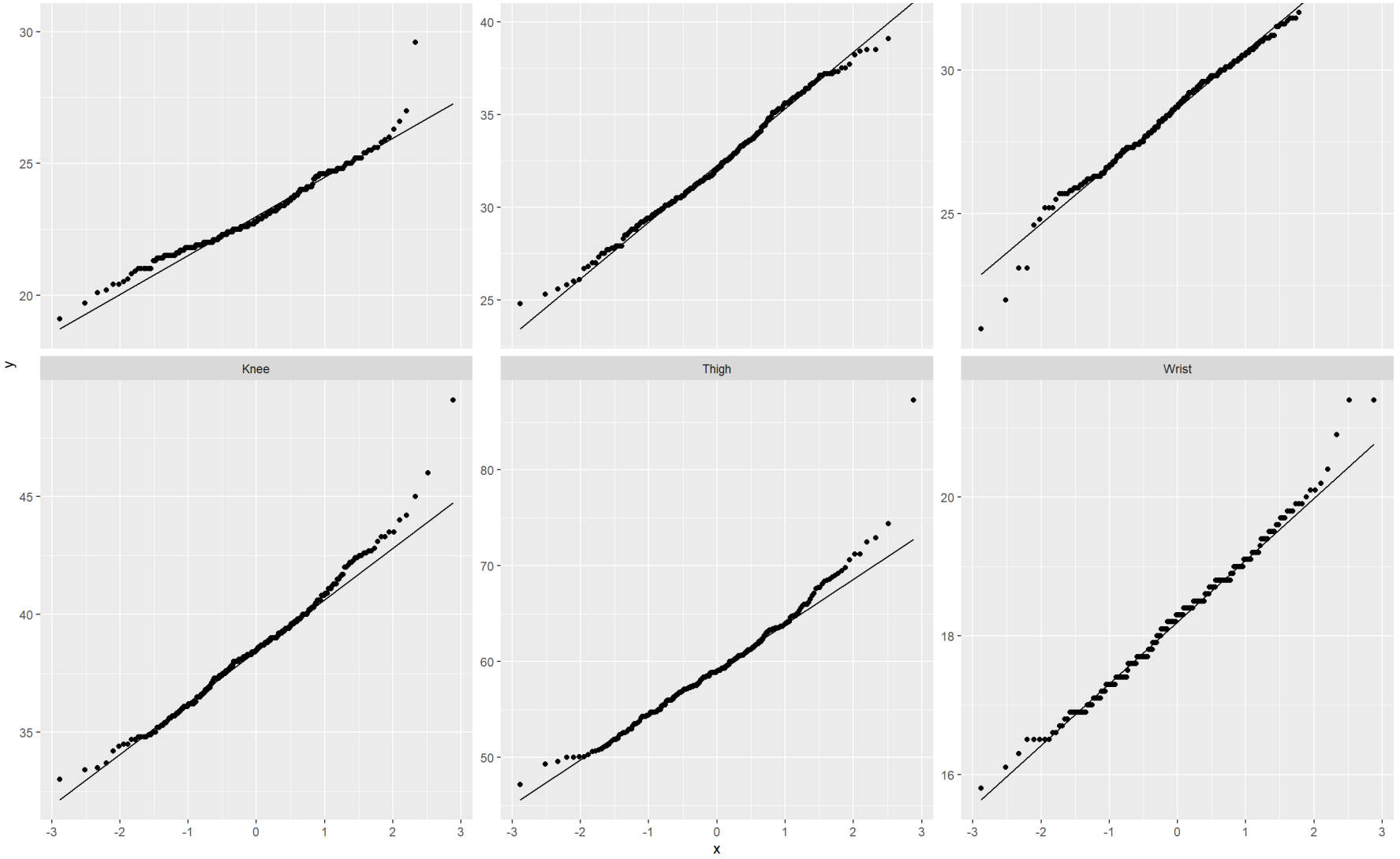
Histogram


Abdomen
Age
Ankle
Biceps
BodyFat
Chest
Density
Forearm
Height
Hip
Knee
Neck
Thigh
Weight
Wrist
Frequency
value

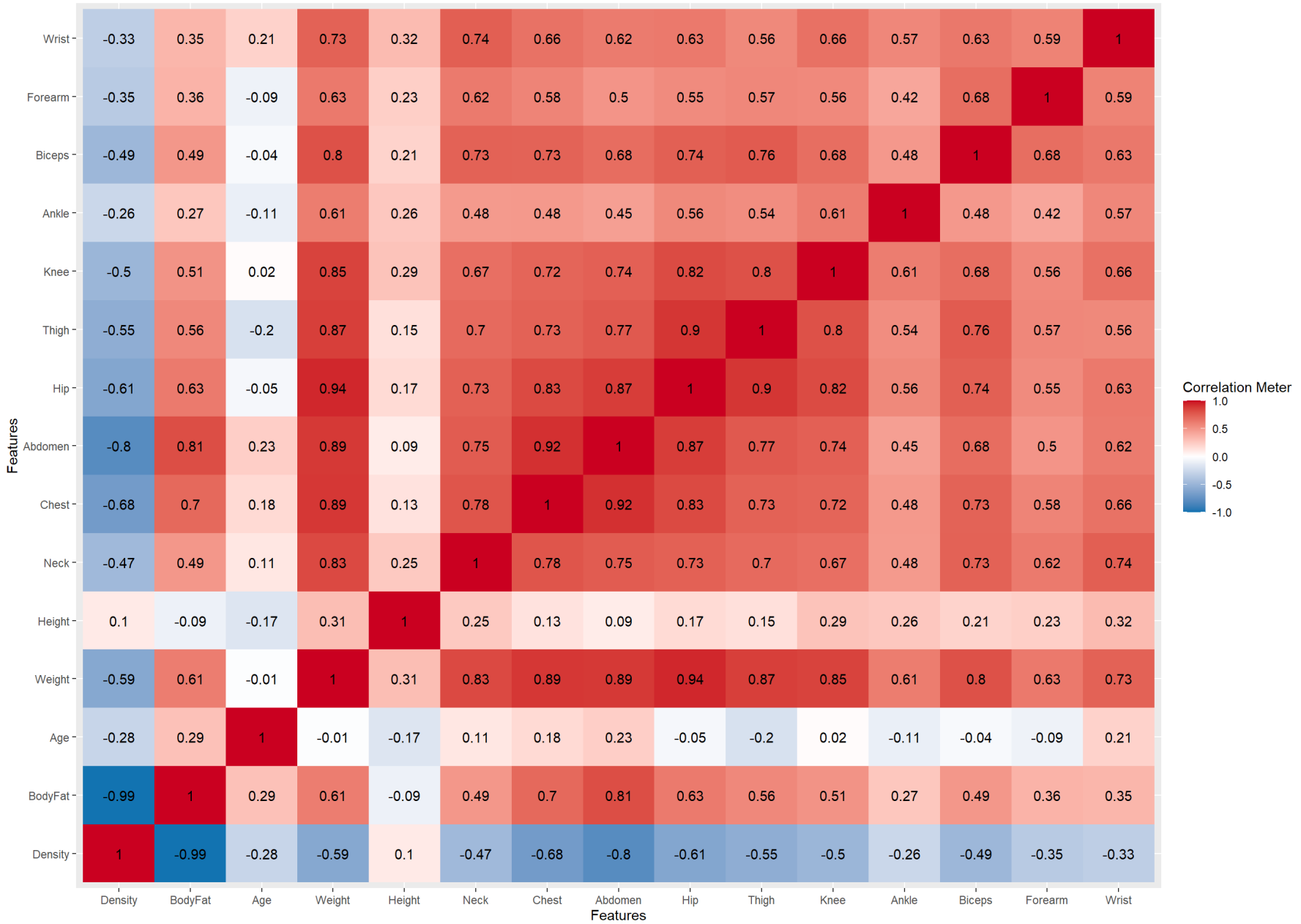
QQ Plot


Abdomen
Age
BodyFat
Chest
Density
Height
Hip
Neck
Weight
y
x

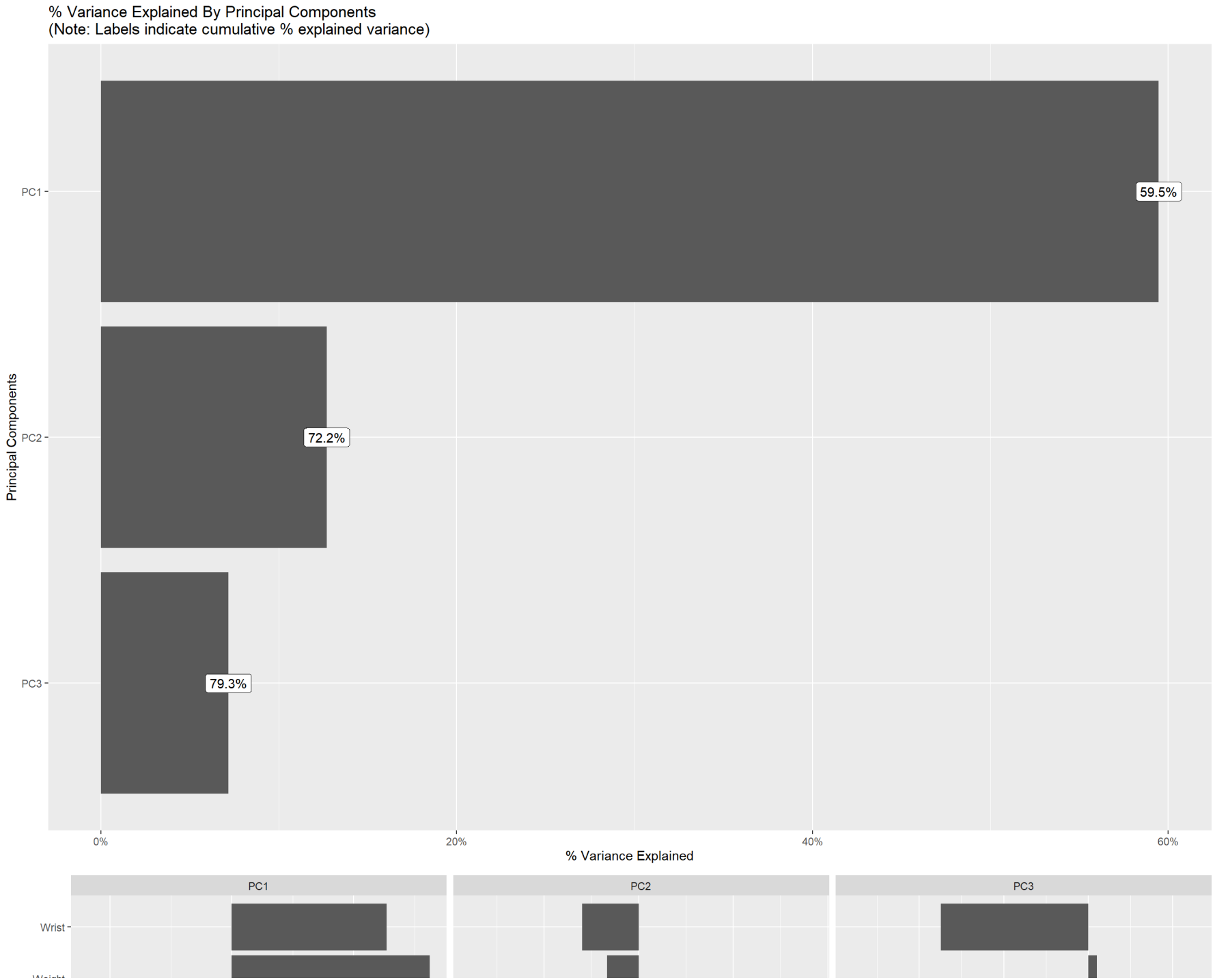
Ankle
Biceps
Forearm

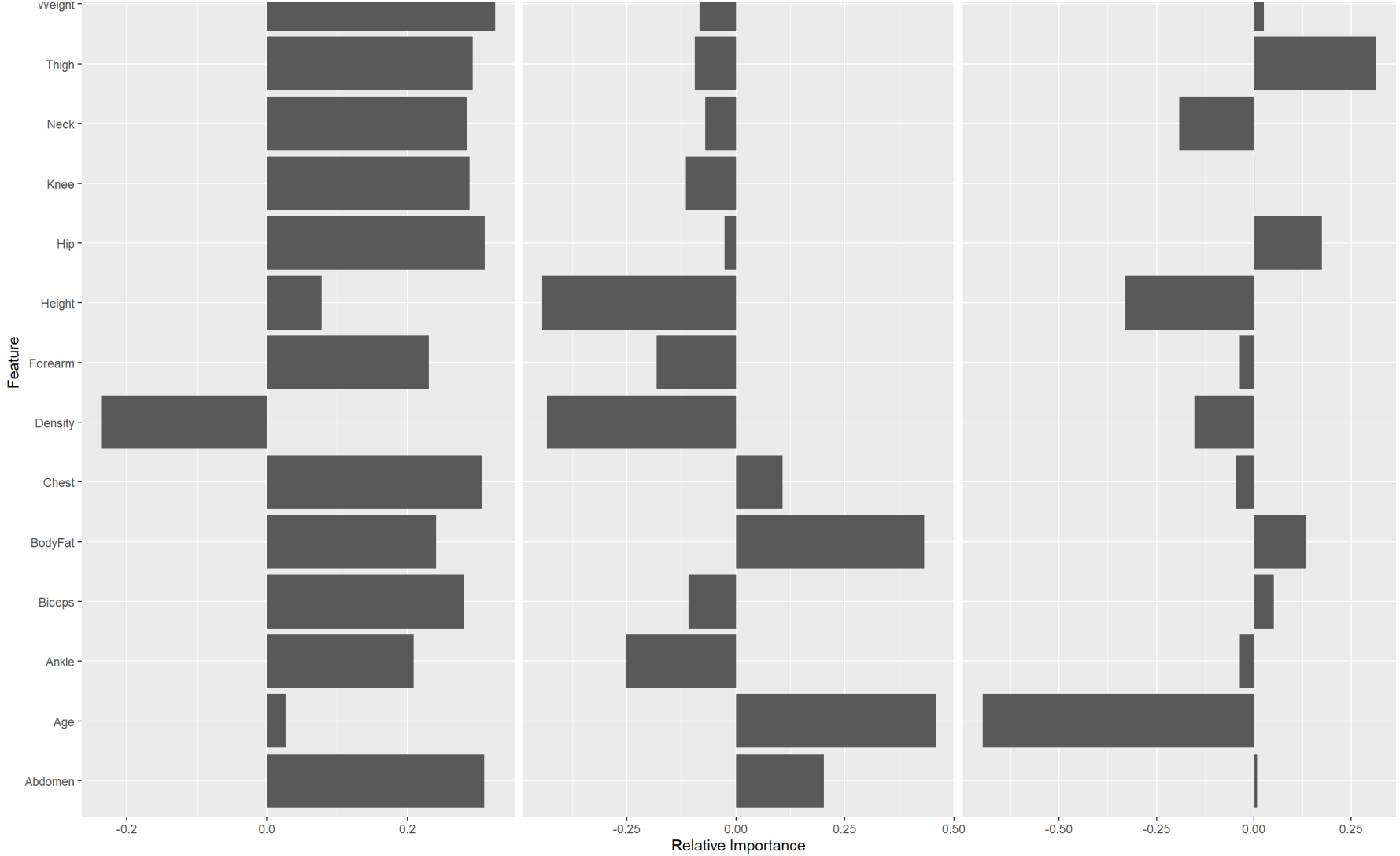


Correlation Analysis



Principal Component Analysis


% Variance Explained By Principal Components
(Note: Labels indicate cumulative % explained variance)
Principal Components
PC1
PC2
PC3
59.5%
72.2%
79.3%
0%
20%
40%
60%
% Variance Explained
PC1
PC2
PC3
Wrist


Weight
Thigh
Neck
Knee
Hip
Height
Forearm
Density
Chest
BodyFat
Biceps
Ankle
Age
Abdomen
Feature
-0.2
0.0
0.2
-0.25
0.00
0.25
0.50
-0.50
-0.25
0.00
0.25
Relative Importance