|  |  |
| --- | --- |
| **Variable** | **Description** |
| id | Case number: 1 – 252 |
| body\_density | Density in grams per cubic centimetre (gm/cm^3) |
| age | Age in years |
| weight | Weight in pounds (lb) |
| height | Height in inches (in) |
| neck | Circumference of neck in centimetres (cm) |
| chest | Circumference of chest in centimetres (cm) |
| abdomen | Circumference of abdomen in centimetres (cm) [measured at “umbilicus; level with iliac crest”] |
| hip | Circumference of hip in centimetres (cm) |
| thigh | Circumference of thigh in centimetres (cm) |
| knee | Circumference of knee in centimetres (cm) |
| ankle | Circumference of ankle in centimetres (cm) |
| bicep | Circumference of extended bicep in centimetres (cm) |
| forearm | Circumference of forearm in centimetres (cm) |
| wrist | Circumference of wrist in centimetres (cm) [measured “distal to the styloid processes”] |

Table

Description automatically generated

Chart, histogram

Description automatically generated

A picture containing diagram

Description automatically generated

Chart, histogram

Description automatically generated

Chart

Description automatically generated

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | age | height | forearm | wrist | i\_weight | i\_neck | i\_chest | i\_abdomen | i\_hip | i\_thigh | i\_knee | i\_ankle | i\_bicep |
| 1 |  |  |  |  |  |  |  | \* |  |  |  |  |  |
| 2 |  |  |  | \* |  |  |  | \* |  |  |  |  |  |
| 3 |  | \* |  | \* |  |  |  | \* |  |  |  |  |  |
| 4 |  | \* |  | \* |  | \* |  | \* |  |  |  |  |  |
| 5 |  | \* |  | \* |  | \* |  | \* |  |  |  |  | \* |
| 6 | \* | \* |  | \* |  | \* |  | \* |  |  |  |  | \* |
| 7 | \* | \* |  | \* | \* | \* | \* | \* |  |  |  |  |  |
| 8 | \* | \* | \* | \* | \* | \* | \* | \* |  |  |  |  |  |

Table

Description automatically generated

INDIVIDUAL PLOTS (Appendix)

Based on models decided, diagnostic plots

RMSE Plot

**Appendix:**

Chart, histogram

Description automatically generated

Chart, histogram

Description automatically generated

Chart, histogram

Description automatically generated

Chart, histogram

Description automatically generated

Chart, histogram

Description automatically generated

Chart, histogram

Description automatically generated

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Chart, histogram

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