**Appendix A Sample of data from FRAMINGHAM dataset**

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| **Status** | **Sex** | | **Height** | | **Weight** | **Diastolic** | **Systolic** | | | **Smoking** | | **Age at Death** | | **Cholesterol** | | **Chol\_status** | | | **B\_pressure** | | **Weight Status** | | | **Smoking Status** | |
| Dead | Female | | 62.5 | | 140 | 78 | 124 | | | 0 | | 55 | |  | |  | | | Normal | | Overweight | | | Non-smoker | |
| Dead | Female | | 59.75 | | 194 | 92 | 144 | | | 0 | | 57 | | 181 | | Desirable | | | High | | Overweight | | | Non-smoker | |
| Alive | Female | | 62.25 | | 132 | 90 | 170 | | | 10 | |  | | 250 | | High | | | High | | Overweight | | | Moderate (6-15) | |
| Alive | Female | | 65.75 | | 158 | 80 | 128 | | | 0 | |  | | 242 | | High | | | Normal | | Overweight | | | Non-smoker | |
| Alive | Male | | 66 | | 156 | 76 | 110 | | | 20 | |  | | 281 | | High | | | Optimal | | Overweight | | | Heavy (16-25) | |
| Alive | Female | | 61.75 | | 131 | 92 | 176 | | | 0 | |  | | 196 | | Desirable | | | High | | Overweight | | | Non-smoker | |
| Alive | Female | | 64.75 | | 136 | 80 | 112 | | | 15 | |  | | 196 | | Desirable | | | Normal | | Overweight | | | Moderate (6-15) | |
| Dead | Male | | 65.5 | | 130 | 80 | 114 | | | 0 | | 77 | | 276 | | High | | | Normal | | Normal | | | Non-smoker | |
| Alive | Male | | 71 | | 194 | 68 | 132 | | | 0 | |  | | 211 | | Borderline | | | Normal | | Overweight | | | Non-smoker | |
| Dead | Male | | 62.5 | | 129 | 78 | 124 | | | 5 | | 82 | | 284 | | High | | | Normal | | Normal | | | Light (1-5) | |
| Alive | Male | | 66.25 | | 179 | 76 | 128 | | | 30 | |  | | 225 | | Borderline | | | Normal | | Overweight | | | Very Heavy (> 25) | |
| Alive | Male | | 64.25 | | 151 | 68 | 108 | | | 0 | |  | | 221 | | Borderline | | | Optimal | | Overweight | | | Non-smoker | |
| Alive | Male | | 70 | | 174 | 90 | 142 | | | 0 | |  | | 188 | | Desirable | | | High | | Overweight | | | Non-smoker | |
| Alive | Male | | 67.25 | | 165 | 76 | 128 | | | 15 | |  | |  | |  | | | Normal | | Overweight | | | Moderate (6-15) | |
| Alive | Male | | 69 | | 155 | 90 | 130 | | | 30 | |  | | 292 | | High | | | High | | Normal | | | Very Heavy (> 25) | |
| Alive | Female | | 64.5 | | 134 | 76 | 120 | | | 10 | |  | | 196 | | Desirable | | | Normal | | Normal | | | Moderate (6-15) | |
| Alive | Male | | 66.25 | | 151 | 72 | 132 | | | 30 | |  | | 192 | | Desirable | | | Normal | | Overweight | | | Very Heavy (> 25) | |
| Dead | Male | | 67.25 | | 122 | 72 | 120 | | | 15 | | 72 | | 194 | | Desirable | | | Normal | | Underweight | | | Moderate (6-15) | |
| Alive | Female | | 67.75 | | 162 | 96 | 138 | | | 1 | |  | | 200 | | Borderline | | | High | | Overweight | | | Light (1-5) | |
| Dead | Male | | 66.5 | | 157 | 84 | 142 | | | 30 | | 76 | | 233 | | Borderline | | | High | | Overweight | | | Very Heavy (> 25) | |
| Alive | Female | | 66.25 | | 148 | 78 | 110 | | | 15 | |  | | 192 | | Desirable | | | Optimal | | Overweight | | | Moderate (6-15) | |
| Alive | Female | | 64 | | 147 | 74 | 120 | | | 5 | |  | | 209 | | Borderline | | | Normal | | Overweight | | | Light (1-5) | |
| Alive | Female | | 65.75 | | 156 | 74 | 156 | | | 0 | |  | | 200 | | Borderline | | | High | | Overweight | | | Non-smoker | |
| Alive | Female | | 63.75 | | 122 | 84 | 132 | | | 0 | |  | | 184 | | Desirable | | | Normal | | Normal | | | Non-smoker | |
| Alive | Female | | 67.5 | | 185 | 88 | 150 | | | 15 | |  | | 228 | | Borderline | | | High | | Overweight | | | Moderate (6-15) | |
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