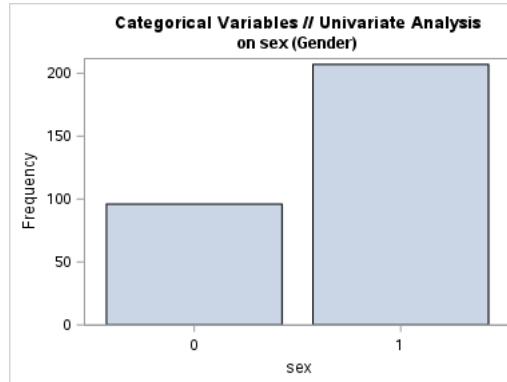


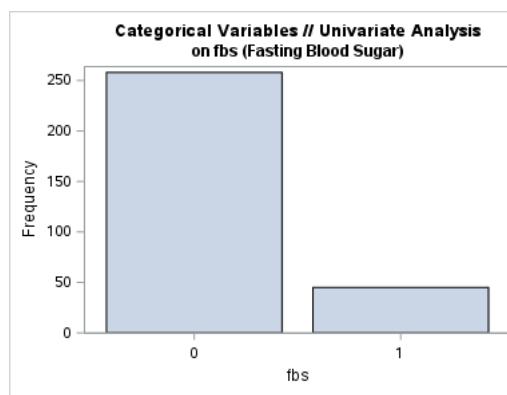
The FREQ Procedure

| sex | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|-----|-----------|---------|----------------------|--------------------|
| 0 | 96 | 31.68 | 96 | 31.68 |
| 1 | 207 | 68.32 | 303 | 100.00 |

Categorical Variables // Univariate Analysis
on cp (Chest Pain Type)

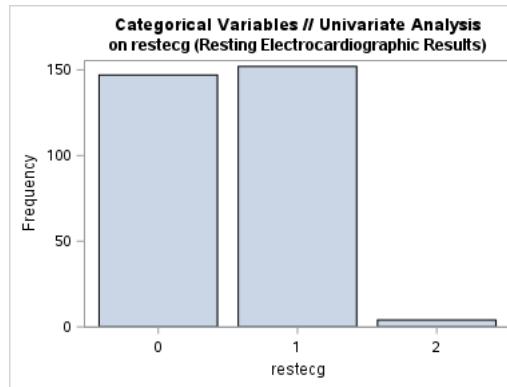
The FREQ Procedure

| fbs | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|-----|-----------|---------|----------------------|--------------------|
| 0 | 258 | 85.15 | 258 | 85.15 |
| 1 | 45 | 14.85 | 303 | 100.00 |

Categorical Variables // Univariate Analysis
on fbs (Fasting Blood Sugar)

The FREQ Procedure

| restecg | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|---------|-----------|---------|----------------------|--------------------|
| 0 | 147 | 48.51 | 147 | 48.51 |
| 1 | 152 | 50.17 | 299 | 98.68 |
| 2 | 4 | 1.32 | 303 | 100.00 |

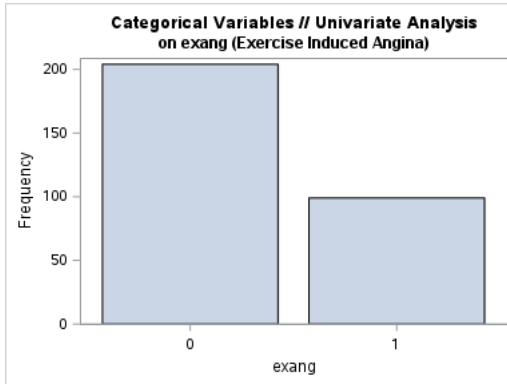


Categorical Variables // Univariate Analysis

Results: Program 2
on restecg (Resting Electrocardiographic Results)

The FREQ Procedure

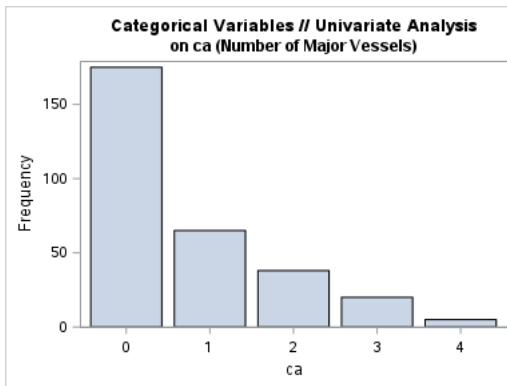
| exang | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|-------|-----------|---------|----------------------|--------------------|
| 0 | 204 | 67.33 | 204 | 67.33 |
| 1 | 99 | 32.67 | 303 | 100.00 |



Categorical Variables // Univariate Analysis
on slope (Slope of the Peak Exercise)

The FREQ Procedure

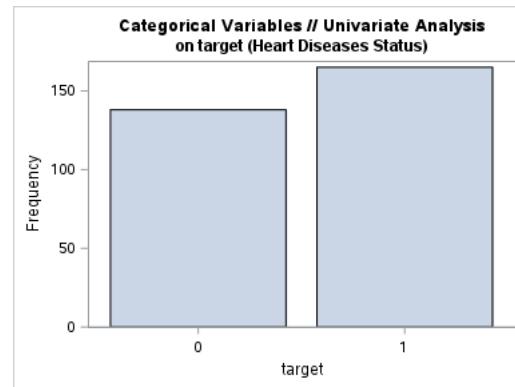
| ca | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|----|-----------|---------|----------------------|--------------------|
| 0 | 175 | 57.76 | 175 | 57.76 |
| 1 | 65 | 21.45 | 240 | 79.21 |
| 2 | 38 | 12.54 | 278 | 91.75 |
| 3 | 20 | 6.60 | 298 | 98.35 |
| 4 | 5 | 1.65 | 303 | 100.00 |



Categorical Variables // Univariate Analysis
on thal

The FREQ Procedure

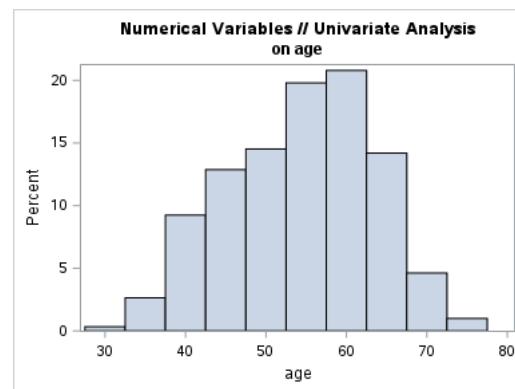
| target | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|--------|-----------|---------|----------------------|--------------------|
| 0 | 138 | 45.54 | 138 | 45.54 |
| 1 | 165 | 54.46 | 303 | 100.00 |



**Numerical Variables // Univariate Analysis
on age**

The MEANS Procedure

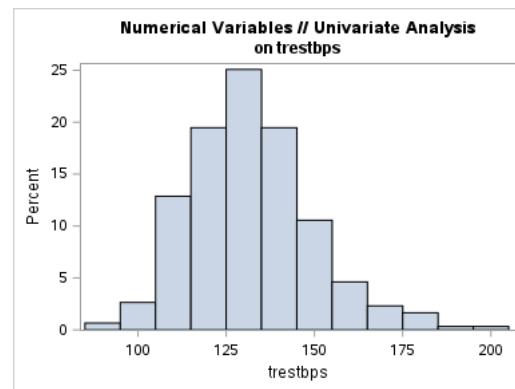
| Analysis Variable : age | | | | | | |
|-------------------------|--------|------------|------------|------------|------------|-----------|
| N | N Miss | Minimum | Maximum | Mean | Median | Std Dev |
| 303 | 0 | 29.0000000 | 77.0000000 | 54.3663366 | 55.0000000 | 9.0821010 |



**Numerical Variables // Univariate Analysis
on trestbps**

The MEANS Procedure

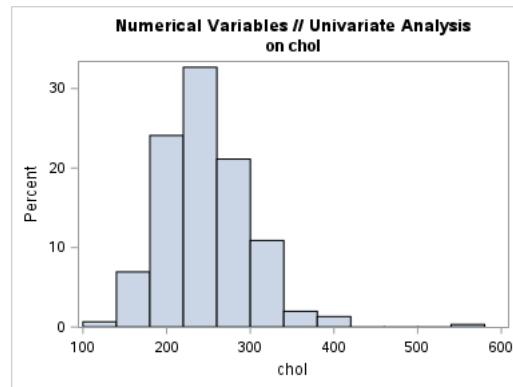
| Analysis Variable : trestbps | | | | | | |
|------------------------------|--------|------------|-------------|-------------|-------------|------------|
| N | N Miss | Minimum | Maximum | Mean | Median | Std Dev |
| 303 | 0 | 94.0000000 | 200.0000000 | 131.6237624 | 130.0000000 | 17.5381428 |



**Numerical Variables // Univariate Analysis
on chol**

The MEANS Procedure

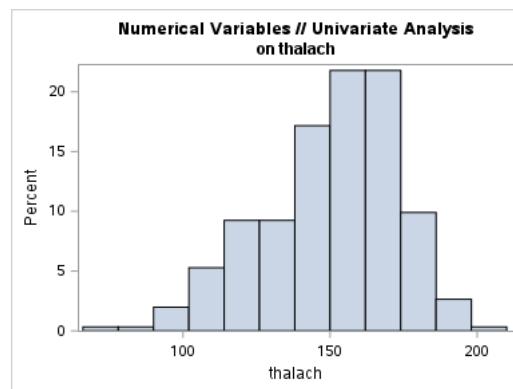
| Analysis Variable : chol | | | | | | |
|--------------------------|--------|-------------|-------------|-------------|-------------|------------|
| N | N Miss | Minimum | Maximum | Mean | Median | Std Dev |
| 303 | 0 | 126.0000000 | 564.0000000 | 246.2640264 | 240.0000000 | 51.8307510 |



**Numerical Variables // Univariate Analysis
on thalach**

The MEANS Procedure

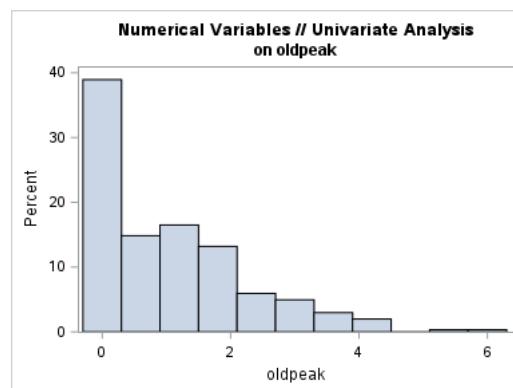
| Analysis Variable : thalach | | | | | | |
|-----------------------------|--------|------------|-------------|-------------|-------------|------------|
| N | N Miss | Minimum | Maximum | Mean | Median | Std Dev |
| 303 | 0 | 71.0000000 | 202.0000000 | 149.6468647 | 153.0000000 | 22.9051611 |



**Numerical Variables // Univariate Analysis
on oldpeak**

The MEANS Procedure

| Analysis Variable : oldpeak | | | | | | |
|-----------------------------|--------|---------|-----------|-----------|-----------|-----------|
| N | N Miss | Minimum | Maximum | Mean | Median | Std Dev |
| 303 | 0 | 0 | 6.2000000 | 1.0396040 | 0.8000000 | 1.1610750 |



**Numerical Variables // Univariate Analysis
on oldpeak**

The SURVEYSELECT Procedure

Selection Method | Simple Random Sampling

| | |
|-----------------------|-----------|
| Input Data Set | IMPORT |
| Random Number Seed | 111144404 |
| Sampling Rate | 0.8 |
| Sample Size | 243 |
| Selection Probability | 0.80198 |
| Sampling Weight | 0 |

| | |
|-----------------|---------------|
| Output Data Set | IMPORT_SELECT |
|-----------------|---------------|

**Numerical Variables // Univariate Analysis
on oldpeak**

The LOGISTIC Procedure

| Model Information | |
|---------------------------|-------------------|
| Data Set | WORK.IMPORT_TRAIN |
| Response Variable | target |
| Number of Response Levels | 2 |
| Model | binary logit |
| Optimization Technique | Fisher's scoring |

| | |
|-----------------------------|-----|
| Number of Observations Read | 243 |
| Number of Observations Used | 243 |

| Response Profile | | |
|------------------|--------|-----------------|
| Ordered Value | target | Total Frequency |
| 1 | 0 | 110 |
| 2 | 1 | 133 |

Probability modeled is target='0'.

| Class Level Information | | |
|-------------------------|-------|------------------|
| Class | Value | Design Variables |
| sex | 0 | 1 |
| | 1 | -1 |
| cp_0 | 0 | |
| cp_1 | 0 | |
| cp_2 | 0 | |
| cp_3 | 0 | |
| fbs | 0 | 1 |
| | 1 | -1 |
| restecg | 0 | 1 0 |
| | 1 | 0 1 |
| | 2 | -1 -1 |
| exang | 0 | 1 |
| | 1 | -1 |
| ca | 0 | 1 0 0 0 |
| | 1 | 0 1 0 0 |
| | 2 | 0 0 1 0 |
| | 3 | 0 0 0 1 |
| | 4 | -1 -1 -1 -1 |
| thal_0 | 0 | |
| thal_1 | 0 | |
| thal_2 | 0 | |
| thal_3 | 0 | |
| slope_0 | 0 | |
| slope_1 | 0 | |
| slope_2 | 0 | |

| Model Convergence Status | | | |
|---|--|--|--|
| Convergence criterion (GCONV=1E-8) satisfied. | | | |

| Model Fit Statistics | | | |
|----------------------|----------------|--------------------------|---------|
| Criterion | Intercept Only | Intercept and Covariates | |
| AIC | 336.689 | | 224.972 |
| SC | 340.182 | | 277.368 |
| -2 Log L | 334.689 | | 194.972 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|--|------------|----|------------|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 139.7172 | 14 | <.0001 |
| Score | 110.3759 | 14 | <.0001 |
| Wald | 65.1037 | 14 | <.0001 |

| Type 3 Analysis of Effects | | | |
|----------------------------|----|------------|--------|
| Effect | DF | Chi-Square | Wald |
| age | 1 | 2.2372 | 0.1347 |
| sex | 1 | 12.4655 | 0.0004 |
| cp_0 | 0 | . | . |
| cp_1 | 0 | . | . |
| cp_2 | 0 | . | . |
| cp_3 | 0 | . | . |
| trestbps | 1 | 4.6932 | 0.0303 |
| chol | 1 | 3.0070 | 0.0829 |
| fbs | 1 | 2.0715 | 0.1501 |
| restecg | 2 | 1.6814 | 0.4314 |
| thalach | 1 | 8.5212 | 0.0035 |

| Type 3 Analysis of Effects | | | |
|----------------------------|----|------------|------------|
| Effect | DF | Chi-Square | Pr > ChiSq |
| exang | 1 | 15.1201 | 0.0001 |
| oldpeak | 1 | 3.2853 | 0.0699 |
| slope_0 | 0 | . | . |
| slope_1 | 0 | . | . |
| slope_2 | 0 | . | . |
| ca | 4 | 32.9616 | <.0001 |
| thal_0 | 0 | . | . |
| thal_1 | 0 | . | . |
| thal_2 | 0 | . | . |
| thal_3 | 0 | . | . |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|--|----|----------|----------------|-----------------|------------|--------|
| Parameter | DF | Estimate | Standard Error | Wald Chi-Square | Pr > ChiSq | |
| Intercept | 1 | 1.6579 | 2.5231 | 0.4318 | 0.5111 | |
| age | 1 | -0.0367 | 0.0245 | 2.2372 | 0.1347 | |
| sex | 0 | 1 | -0.8209 | 0.2325 | 12.4655 | 0.0004 |
| trestbps | 1 | 0.0235 | 0.0109 | 4.6932 | 0.0303 | |
| chol | 1 | 0.00680 | 0.00392 | 3.0070 | 0.0829 | |
| fbs | 0 | 1 | 0.3862 | 0.2684 | 2.0715 | 0.1501 |
| restecg | 0 | 1 | 0.0509 | 0.7649 | 0.0044 | 0.9470 |
| restecg | 1 | 1 | -0.4376 | 0.7583 | 0.3329 | 0.5639 |
| thalach | 1 | -0.0297 | 0.0102 | 8.5212 | 0.0035 | |
| exang | 0 | 1 | -0.8089 | 0.2080 | 15.1201 | 0.0001 |
| oldpeak | 1 | 0.3265 | 0.1801 | 3.2853 | 0.0699 | |
| ca | 0 | 1 | -1.5170 | 0.4017 | 14.2625 | 0.0002 |
| ca | 1 | 1 | 0.3451 | 0.4600 | 0.5630 | 0.4530 |
| ca | 2 | 1 | 1.9346 | 0.6140 | 9.9281 | 0.0016 |
| ca | 3 | 1 | 0.7409 | 0.6764 | 1.1999 | 0.2733 |

| Odds Ratio Estimates | | | |
|----------------------|----------------|----------------------------|---------|
| Effect | Point Estimate | 95% Wald Confidence Limits | |
| age | 0.964 | 0.919 | 1.011 |
| sex 0 vs 1 | 0.194 | 0.078 | 0.482 |
| trestbps | 1.024 | 1.002 | 1.046 |
| chol | 1.007 | 0.999 | 1.015 |
| fbs 0 vs 1 | 2.165 | 0.756 | 6.199 |
| restecg 0 vs 2 | 0.715 | 0.009 | 55.666 |
| restecg 1 vs 2 | 0.439 | 0.006 | 33.706 |
| thalach | 0.971 | 0.952 | 0.990 |
| exang 0 vs 1 | 0.198 | 0.088 | 0.448 |
| oldpeak | 1.386 | 0.974 | 1.973 |
| ca 0 vs 4 | 0.987 | 0.068 | 14.249 |
| ca 1 vs 4 | 6.352 | 0.402 | 100.266 |
| ca 2 vs 4 | 31.132 | 1.583 | 612.150 |
| ca 3 vs 4 | 9.436 | 0.446 | 199.510 |

| Association of Predicted Probabilities and Observed Responses | | | |
|---|-------|-----------|-------|
| Percent Concordant | 89.8 | Somers' D | 0.796 |
| Percent Discordant | 10.2 | Gamma | 0.796 |
| Percent Tied | 0.0 | Tau-a | 0.396 |
| Pairs | 14630 | c | 0.898 |

Numerical Variables // Univariate Analysis on oldpeak

| age | sex | trestbps | chol | fbs | restecg | thalach | exang | oldpeak | ca | target | cp_0 | cp_1 | cp_2 | cp_3 | thal_0 | thal_1 | thal_2 | thal_3 | slope_0 | slope_1 | slope_2 | Response Value | Estimated Probability |
|-----|-----|----------|------|-----|---------|---------|-------|---------|----|--------|------|------|------|------|--------|--------|--------|--------|---------|---------|---------|----------------|-----------------------|
| 63 | 1 | 145 | 233 | 1 | 0 | 150 | 0 | 2.3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.232498 |
| 37 | 1 | 130 | 250 | 0 | 1 | 187 | 0 | 3.5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.289063 |
| 56 | 1 | 120 | 236 | 0 | 1 | 178 | 0 | 0.8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.072976 |
| 57 | 0 | 120 | 354 | 0 | 1 | 163 | 1 | 0.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.194502 |
| 57 | 1 | 140 | 192 | 0 | 1 | 148 | 0 | 0.4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.16143 |
| 56 | 0 | 140 | 294 | 0 | 0 | 153 | 0 | 1.3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.127248 |
| 44 | 1 | 120 | 263 | 0 | 1 | 173 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.115964 |
| 52 | 1 | 172 | 199 | 1 | 1 | 162 | 0 | 0.5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.139606 |
| 57 | 1 | 150 | 168 | 0 | 1 | 174 | 0 | 1.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.12404 |
| 64 | 1 | 110 | 211 | 0 | 0 | 144 | 1 | 1.8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.549995 |
| 50 | 0 | 120 | 219 | 0 | 1 | 158 | 0 | 1.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.038245 |
| 58 | 0 | 120 | 340 | 0 | 1 | 172 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.025745 |
| 66 | 0 | 150 | 226 | 0 | 1 | 114 | 0 | 2.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.193685 |
| 69 | 0 | 140 | 239 | 0 | 1 | 151 | 0 | 1.8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.601025 |
| 44 | 1 | 130 | 233 | 0 | 1 | 179 | 1 | 0.4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.39428 |
| 42 | 1 | 140 | 226 | 0 | 1 | 178 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.131598 |
| 61 | 1 | 150 | 243 | 1 | 1 | 137 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.538703 |
| 40 | 1 | 140 | 199 | 0 | 1 | 178 | 1 | 1.4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.519438 |
| 59 | 1 | 150 | 212 | 1 | 1 | 157 | 0 | 1.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.119491 |

| age | sex | trestbps | chol | fb | restecg | thalach | exang | oldpeak | ca | target | cp_0 | cp_1 | cp_2 | cp_3 | thal_0 | thal_1 | thal_2 | thal_3 | slope_0 | slope_1 | slope_2 | Response Value | Estimated Probability |
|-----|-----|----------|------|----|---------|---------|-------|---------|----|--------|------|------|------|------|--------|--------|--------|--------|---------|---------|---------|----------------|-----------------------|
| 51 | 1 | 110 | 175 | 0 | 1 | 123 | 0 | 0.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.191166 |
| 53 | 1 | 130 | 197 | 1 | 0 | 152 | 0 | 1.2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.136606 |
| 65 | 1 | 120 | 177 | 0 | 1 | 140 | 0 | 0.4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.093097 |
| 44 | 1 | 130 | 219 | 0 | 0 | 188 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.113917 |
| 51 | 1 | 125 | 213 | 0 | 0 | 125 | 1 | 1.4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.965746 |
| 46 | 0 | 142 | 177 | 0 | 0 | 160 | 1 | 1.4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.296473 |
| 54 | 0 | 135 | 304 | 1 | 1 | 170 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.016439 |
| 54 | 1 | 150 | 232 | 0 | 0 | 165 | 0 | 1.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.342012 |
| 65 | 0 | 160 | 360 | 0 | 0 | 151 | 0 | 0.8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.191517 |
| 51 | 0 | 140 | 308 | 0 | 0 | 142 | 0 | 1.5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.64719 |
| 48 | 1 | 130 | 245 | 0 | 0 | 180 | 0 | 0.2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.152035 |
| 45 | 1 | 104 | 208 | 0 | 0 | 148 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.732816 |
| 39 | 1 | 140 | 321 | 0 | 0 | 182 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.318338 |
| 52 | 1 | 120 | 325 | 0 | 1 | 172 | 0 | 0.2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.140851 |
| 44 | 1 | 140 | 235 | 0 | 0 | 180 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.186951 |
| 47 | 1 | 138 | 257 | 0 | 0 | 156 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.317417 |
| 53 | 0 | 128 | 216 | 0 | 0 | 115 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.127255 |
| 53 | 0 | 138 | 234 | 0 | 0 | 160 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.052032 |
| 51 | 0 | 130 | 256 | 0 | 0 | 149 | 0 | 0.5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.084837 |
| 66 | 1 | 120 | 302 | 0 | 0 | 151 | 0 | 0.4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.213942 |
| 62 | 1 | 130 | 231 | 0 | 1 | 146 | 0 | 1.8 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.725732 |
| 44 | 0 | 108 | 141 | 0 | 1 | 175 | 0 | 0.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.009489 |
| 63 | 0 | 135 | 252 | 0 | 0 | 172 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.027296 |
| 52 | 1 | 134 | 201 | 0 | 1 | 158 | 0 | 0.8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.537884 |
| 45 | 1 | 115 | 260 | 0 | 0 | 185 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.111706 |
| 34 | 1 | 118 | 182 | 0 | 0 | 174 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.141449 |
| 57 | 0 | 128 | 303 | 0 | 0 | 159 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.284197 |
| 71 | 0 | 110 | 265 | 1 | 0 | 130 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.115948 |
| 54 | 1 | 108 | 309 | 0 | 1 | 156 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.134295 |
| 52 | 1 | 118 | 186 | 0 | 0 | 190 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.051625 |
| 41 | 1 | 135 | 203 | 0 | 1 | 132 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.318674 |
| 58 | 1 | 140 | 211 | 1 | 0 | 165 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.077701 |
| 51 | 1 | 100 | 222 | 0 | 1 | 143 | 1 | 1.2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.465569 |
| 45 | 0 | 130 | 234 | 0 | 0 | 175 | 0 | 0.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.045374 |
| 44 | 1 | 120 | 220 | 0 | 1 | 170 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.096696 |
| 62 | 0 | 124 | 209 | 0 | 1 | 163 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.013264 |
| 54 | 1 | 120 | 258 | 0 | 0 | 147 | 0 | 0.4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.260825 |
| 51 | 1 | 94 | 227 | 0 | 1 | 154 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.710721 |
| 29 | 1 | 130 | 204 | 0 | 0 | 202 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.117277 |
| 51 | 1 | 125 | 245 | 1 | 0 | 166 | 0 | 2.4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.170045 |
| 59 | 1 | 140 | 221 | 0 | 1 | 164 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.374887 |
| 52 | 1 | 128 | 205 | 1 | 1 | 184 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.025851 |
| 58 | 1 | 105 | 240 | 0 | 0 | 154 | 1 | 0.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.453055 |
| 41 | 1 | 112 | 250 | 0 | 1 | 179 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.085035 |
| 45 | 1 | 128 | 308 | 0 | 0 | 170 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.269665 |
| 60 | 0 | 102 | 318 | 0 | 1 | 160 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.112858 |
| 42 | 0 | 102 | 265 | 0 | 0 | 122 | 0 | 0.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.140309 |
| 67 | 0 | 115 | 564 | 0 | 0 | 160 | 0 | 1.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.232911 |
| 68 | 1 | 118 | 277 | 0 | 1 | 151 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.494491 |
| 46 | 1 | 101 | 197 | 1 | 1 | 156 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.036665 |
| 54 | 0 | 110 | 214 | 0 | 1 | 158 | 0 | 1.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.025561 |
| 58 | 0 | 100 | 248 | 0 | 0 | 122 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.080805 |
| 48 | 1 | 124 | 255 | 1 | 1 | 175 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.618158 |
| 57 | 1 | 132 | 207 | 0 | 1 | 168 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.301524 |
| 52 | 1 | 138 | 223 | 0 | 1 | 169 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.114993 |
| 53 | 1 | 142 | 226 | 0 | 0 | 111 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.864152 |
| 62 | 0 | 140 | 394 | 0 | 0 | 157 | 0 | 1.2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.165593 |
| 52 | 1 | 108 | 233 | 1 | 1 | 147 | 0 | 0.1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.372469 |
| 43 | 1 | 130 | 315 | 0 | 1 | 162 | 0 | 1.9 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.802665 |
| 53 | 1 | 130 | 246 | 1 | 0 | 173 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.433519 |
| 59 | 1 | 178 | 270 | 0 | 0 | 145 | 0 | 4.2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.820796 |
| 63 | 0 | 140 | 195 | 0 | 1 | 179 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.25209 |
| 42 | 1 | 120 | 240 | 1 | 1 | 194 | 0 | 0.8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.037388 |
| 50 | 1 | 129 | 196 | 0 | 1 | 163 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.099915 |
| 68 | 0 | 120 | 211 | 0 | 0 | 115 | 0 | 1.5 | 0 | 1 | 0 | 0 | 0 | 0 | | | | | | | | | |

| age | sex | trestbps | chol | fb | restecg | thalach | exang | oldpeak | ca | target | cp_0 | cp_1 | cp_2 | cp_3 | thal_0 | thal_1 | thal_2 | thal_3 | slope_0 | slope_1 | slope_2 | Response Value | Estimated Probability |
|-----|-----|----------|------|----|---------|---------|-------|---------|----|--------|------|------|------|------|--------|--------|--------|--------|---------|---------|---------|----------------|-----------------------|
| 39 | 0 | 94 | 199 | 0 | 1 | 179 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.008884 |
| 34 | 0 | 118 | 210 | 0 | 1 | 192 | 0 | 0.7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.017148 |
| 47 | 1 | 112 | 204 | 0 | 1 | 143 | 0 | 0.1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.140873 |
| 67 | 0 | 152 | 277 | 0 | 1 | 172 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.144761 |
| 52 | 0 | 136 | 196 | 0 | 0 | 169 | 0 | 0.1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.032127 |
| 54 | 0 | 160 | 201 | 0 | 1 | 163 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.204099 |
| 49 | 0 | 134 | 271 | 0 | 1 | 162 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04124 |
| 42 | 1 | 120 | 295 | 0 | 1 | 162 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.195583 |
| 41 | 1 | 110 | 235 | 0 | 1 | 153 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.147584 |
| 49 | 0 | 130 | 269 | 0 | 1 | 163 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.036137 |
| 62 | 1 | 128 | 208 | 1 | 0 | 140 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.101377 |
| 57 | 1 | 110 | 201 | 0 | 1 | 126 | 1 | 1.5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.583427 |
| 64 | 1 | 128 | 263 | 0 | 1 | 105 | 1 | 0.2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.951926 |
| 51 | 0 | 120 | 295 | 0 | 0 | 157 | 0 | 0.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.072205 |
| 42 | 0 | 120 | 209 | 0 | 1 | 173 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.018584 |
| 67 | 0 | 106 | 223 | 0 | 1 | 142 | 0 | 0.3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.34327 |
| 76 | 0 | 140 | 197 | 0 | 2 | 116 | 0 | 1.1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.124525 |
| 70 | 1 | 156 | 245 | 0 | 0 | 143 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.292888 |
| 44 | 0 | 118 | 242 | 0 | 1 | 149 | 0 | 0.3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.233104 |
| 60 | 0 | 150 | 240 | 0 | 1 | 171 | 0 | 0.9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.033674 |
| 44 | 1 | 120 | 226 | 0 | 1 | 169 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.103026 |
| 42 | 1 | 130 | 180 | 0 | 1 | 150 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.167364 |
| 66 | 1 | 160 | 228 | 0 | 0 | 138 | 0 | 2.3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.535735 |
| 71 | 0 | 112 | 149 | 0 | 1 | 125 | 0 | 1.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0246 |
| 64 | 1 | 170 | 227 | 0 | 0 | 155 | 0 | 0.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.351101 |
| 66 | 0 | 146 | 278 | 0 | 0 | 152 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.311655 |
| 39 | 0 | 138 | 220 | 0 | 1 | 152 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.060917 |
| 58 | 0 | 130 | 197 | 0 | 1 | 131 | 0 | 0.6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.049361 |
| 47 | 1 | 130 | 253 | 0 | 1 | 179 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.104165 |
| 35 | 1 | 122 | 192 | 0 | 1 | 174 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.102816 |
| 58 | 1 | 125 | 220 | 0 | 1 | 144 | 0 | 0.4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.152515 |
| 56 | 1 | 130 | 221 | 0 | 0 | 163 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.149785 |
| 56 | 1 | 120 | 240 | 0 | 1 | 169 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.075234 |
| 41 | 1 | 120 | 157 | 0 | 1 | 182 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.051732 |
| 38 | 1 | 138 | 175 | 0 | 1 | 173 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.122152 |
| 67 | 1 | 160 | 286 | 0 | 0 | 108 | 1 | 1.5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.99334 |
| 67 | 1 | 120 | 229 | 0 | 0 | 129 | 1 | 2.6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.990108 |
| 62 | 0 | 140 | 268 | 0 | 0 | 160 | 0 | 3.6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.841944 |
| 63 | 1 | 130 | 254 | 0 | 0 | 147 | 0 | 1.4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.735972 |
| 56 | 1 | 130 | 256 | 1 | 0 | 142 | 1 | 0.6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.883684 |
| 48 | 1 | 110 | 229 | 0 | 1 | 168 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.10252 |
| 58 | 1 | 120 | 284 | 0 | 0 | 160 | 0 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.280877 |
| 58 | 1 | 132 | 224 | 0 | 0 | 173 | 0 | 3.2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.921125 |
| 40 | 1 | 110 | 167 | 0 | 0 | 114 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.850281 |
| 64 | 1 | 140 | 335 | 0 | 1 | 158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.204298 |
| 57 | 1 | 150 | 276 | 0 | 0 | 112 | 1 | 0.6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.986075 |
| 55 | 1 | 132 | 353 | 0 | 1 | 132 | 1 | 1.2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.972004 |
| 65 | 0 | 150 | 225 | 0 | 0 | 114 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.695844 |
| 61 | 0 | 130 | 330 | 0 | 0 | 169 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.047489 |
| 50 | 1 | 150 | 243 | 0 | 0 | 128 | 0 | 2.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.729294 |
| 60 | 1 | 130 | 253 | 0 | 1 | 144 | 1 | 1.4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.912665 |
| 50 | 1 | 140 | 233 | 0 | 1 | 163 | 0 | 0.6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.591525 |
| 41 | 1 | 110 | 172 | 0 | 0 | 158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.136851 |
| 58 | 1 | 128 | 216 | 0 | 0 | 131 | 1 | 2.2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.974727 |
| 54 | 1 | 120 | 188 | 0 | 1 | 113 | 0 | 1.4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.766961 |
| 60 | 1 | 145 | 282 | 0 | 0 | 142 | 1 | 2.8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.995894 |
| 60 | 1 | 140 | 185 | 0 | 0 | 155 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.337279 |
| 59 | 1 | 170 | 326 | 0 | 0 | 140 | 1 | 3.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.961539 |
| 67 | 1 | 125 | 254 | 1 | 1 | 163 | 0 | 0.2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.555511 |
| 65 | 1 | 110 | 248 | 0 | 0 | 158 | 0 | 0.6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.808809 |
| 44 | 1 | 110 | 197 | 0 | 0 | 177 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3815 |
| 68 | 1 | 180 | 274 | 1 | 0 | 150 | 1 | 1.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.752876 |
| 62 | 0 | 160 | 164 | 0 | 0 | 145 | 0 | 6.2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.823 |
| 52 | 1 | 128 | 255 | 0 | 1 | 161 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.838235 |
| 59 | 1 | 110 | 239 | 0 | 0 | 142 | 1 | 1.2 | 1 | 0 | 0 | 0 | 0</ | | | | | | | | | | |

| age | sex | trestbps | chol | fb | restecg | thalach | exang | oldpeak | ca | target | cp_0 | cp_1 | cp_2 | cp_3 | thal_0 | thal_1 | thal_2 | thal_3 | slope_0 | slope_1 | slope_2 | Response Value | Estimated Probability |
|-----|-----|----------|------|----|---------|---------|-------|---------|----|--------|------|------|------|------|--------|--------|--------|--------|---------|---------|---------|----------------|-----------------------|
| 54 | 1 | 110 | 239 | 0 | 1 | 126 | 1 | 2.8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9522 |
| 70 | 1 | 145 | 174 | 0 | 1 | 125 | 1 | 2.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.708738 |
| 35 | 1 | 120 | 198 | 0 | 1 | 130 | 1 | 1.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.781187 |
| 59 | 1 | 170 | 288 | 0 | 0 | 159 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.434008 |
| 47 | 1 | 108 | 243 | 0 | 1 | 152 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.126007 |
| 57 | 1 | 165 | 289 | 1 | 0 | 124 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.92285 |
| 55 | 1 | 160 | 289 | 0 | 0 | 145 | 1 | 0.8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.976879 |
| 70 | 1 | 130 | 322 | 0 | 0 | 109 | 0 | 2.4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.956059 |
| 51 | 1 | 140 | 299 | 0 | 1 | 173 | 1 | 1.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.638224 |
| 58 | 1 | 125 | 300 | 0 | 0 | 171 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.861041 |
| 60 | 1 | 140 | 293 | 0 | 0 | 170 | 0 | 1.2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.922555 |
| 77 | 1 | 125 | 304 | 0 | 0 | 162 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.863582 |
| 35 | 1 | 126 | 282 | 0 | 0 | 156 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.764873 |
| 70 | 1 | 160 | 269 | 0 | 1 | 112 | 1 | 2.9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.985708 |
| 59 | 0 | 174 | 249 | 0 | 1 | 143 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.368259 |
| 57 | 1 | 152 | 274 | 0 | 1 | 88 | 1 | 1.2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.991101 |
| 56 | 1 | 132 | 184 | 0 | 0 | 105 | 1 | 2.1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.98102 |
| 48 | 1 | 124 | 274 | 0 | 0 | 166 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.240551 |
| 56 | 0 | 134 | 409 | 0 | 0 | 150 | 1 | 1.9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.983195 |
| 54 | 1 | 192 | 283 | 0 | 0 | 195 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.755978 |
| 69 | 1 | 140 | 254 | 0 | 0 | 146 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.840483 |
| 51 | 1 | 140 | 298 | 0 | 1 | 122 | 1 | 4.2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.994406 |
| 43 | 1 | 132 | 247 | 1 | 0 | 143 | 1 | 0.1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.61034 |
| 59 | 1 | 160 | 273 | 0 | 0 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.584265 |
| 58 | 1 | 128 | 259 | 0 | 0 | 130 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.995633 |
| 50 | 1 | 144 | 200 | 0 | 0 | 126 | 1 | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.842845 |
| 62 | 0 | 150 | 244 | 0 | 1 | 154 | 1 | 1.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.246436 |
| 38 | 1 | 120 | 231 | 0 | 1 | 182 | 1 | 3.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.637118 |
| 66 | 0 | 178 | 228 | 1 | 1 | 165 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.818796 |
| 52 | 1 | 112 | 230 | 0 | 1 | 160 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.38003 |
| 53 | 1 | 123 | 282 | 0 | 1 | 95 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.997197 |
| 63 | 0 | 108 | 269 | 0 | 1 | 169 | 1 | 1.8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.762117 |
| 54 | 1 | 110 | 206 | 0 | 0 | 108 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.946625 |
| 66 | 1 | 112 | 212 | 0 | 0 | 132 | 1 | 0.1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.863442 |
| 49 | 1 | 118 | 149 | 0 | 0 | 126 | 0 | 0.8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7966 |
| 54 | 1 | 122 | 286 | 0 | 0 | 116 | 1 | 3.2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.997759 |
| 56 | 1 | 130 | 283 | 1 | 0 | 103 | 1 | 1.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.882047 |
| 46 | 1 | 120 | 249 | 0 | 0 | 144 | 0 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.356658 |
| 61 | 1 | 134 | 234 | 0 | 1 | 145 | 0 | 2.6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.931431 |
| 67 | 1 | 120 | 237 | 0 | 1 | 71 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.574566 |
| 58 | 1 | 100 | 234 | 0 | 1 | 156 | 0 | 0.1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.307164 |
| 47 | 1 | 110 | 275 | 0 | 0 | 118 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.974197 |
| 52 | 1 | 125 | 212 | 0 | 1 | 168 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.797856 |
| 58 | 1 | 146 | 218 | 0 | 1 | 105 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.908345 |
| 57 | 1 | 124 | 261 | 0 | 1 | 141 | 0 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.200961 |
| 58 | 0 | 136 | 319 | 1 | 0 | 152 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.58935 |
| 61 | 1 | 138 | 166 | 0 | 0 | 125 | 1 | 3.6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.975332 |
| 42 | 1 | 136 | 315 | 0 | 1 | 125 | 1 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.916925 |
| 52 | 1 | 128 | 204 | 1 | 1 | 156 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.297076 |
| 40 | 1 | 152 | 223 | 0 | 1 | 181 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.162398 |
| 61 | 1 | 140 | 207 | 0 | 0 | 138 | 1 | 1.9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.955313 |
| 46 | 1 | 140 | 311 | 0 | 1 | 120 | 1 | 1.8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.997326 |
| 59 | 1 | 134 | 204 | 0 | 1 | 162 | 0 | 0.8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.800012 |
| 57 | 1 | 154 | 232 | 0 | 0 | 164 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.668007 |
| 57 | 1 | 110 | 335 | 0 | 1 | 143 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.956698 |
| 55 | 0 | 128 | 205 | 0 | 2 | 130 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.875475 |
| 61 | 1 | 148 | 203 | 0 | 1 | 161 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.45381 |
| 58 | 0 | 170 | 225 | 1 | 0 | 146 | 1 | 2.8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.962043 |
| 44 | 1 | 120 | 169 | 0 | 1 | 144 | 1 | 2.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.673057 |
| 63 | 1 | 140 | 187 | 0 | 0 | 144 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.992968 |
| 63 | 0 | 124 | 197 | 0 | 1 | 136 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.11826 |
| 59 | 1 | 164 | 176 | 1 | 0 | 90 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.978522 |
| 57 | 0 | 140 | 241 | 0 | 1 | 123 | 1 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.340184 |
| 45 | 1 | 110 | 264 | 0 | 1 | 132 | 0 | 1.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.33435 |
| 68 | 1 | 144 | 193 | 1 | 1 | 141 | 0 | 3.4 | 2 | 0 | 0 | 0 | 0 | | | | | | | | | | |

| age | sex | trestbps | chol | fbp | restecg | thalach | exang | oldpeak | ca | target | cp_0 | cp_1 | cp_2 | cp_3 | thal_0 | thal_1 | thal_2 | thal_3 | slope_0 | slope_1 | slope_2 | From: target | Into: target | Predicted Probability: target=0 | F Pr |
|-----|-----|----------|------|-----|---------|---------|-------|---------|----|--------|------|------|------|------|--------|--------|--------|--------|---------|---------|---------|--------------|--------------|---------------------------------|------|
| 59 | 1 | 135 | 234 | 0 | 1 | 161 | 0 | 0.5 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.129416 | | |
| 71 | 0 | 160 | 302 | 0 | 1 | 162 | 0 | 0.4 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.611097 | | |
| 65 | 0 | 140 | 417 | 1 | 0 | 157 | 0 | 0.8 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.35165 | | |
| 41 | 0 | 105 | 198 | 0 | 1 | 168 | 0 | 0 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.087274 | | |
| 54 | 1 | 125 | 273 | 0 | 0 | 152 | 0 | 0.5 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.715949 | | |
| 65 | 0 | 155 | 269 | 0 | 1 | 148 | 0 | 0.8 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.070711 | | |
| 53 | 0 | 130 | 264 | 0 | 0 | 143 | 0 | 0.4 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.095175 | | |
| 48 | 1 | 122 | 222 | 0 | 0 | 186 | 0 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.090577 | | |
| 35 | 0 | 138 | 183 | 0 | 1 | 182 | 0 | 1.4 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.036514 | | |
| 51 | 1 | 140 | 261 | 0 | 0 | 186 | 1 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.472488 | | |
| 43 | 0 | 122 | 213 | 0 | 1 | 165 | 0 | 0.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.025919 | | |
| 55 | 0 | 135 | 250 | 0 | 0 | 161 | 0 | 1.4 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.075146 | | |
| 52 | 1 | 152 | 298 | 1 | 1 | 178 | 0 | 1.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.134416 | | |
| 54 | 0 | 132 | 288 | 1 | 0 | 159 | 1 | 0 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.505937 | | |
| 45 | 0 | 112 | 160 | 0 | 1 | 138 | 0 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.027655 | | |
| 42 | 1 | 148 | 244 | 0 | 0 | 178 | 0 | 0.8 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.932455 | | |
| 50 | 0 | 120 | 244 | 0 | 1 | 162 | 0 | 1.1 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.034332 | | |
| 64 | 0 | 140 | 313 | 0 | 1 | 133 | 0 | 0.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.087531 | | |
| 41 | 1 | 130 | 214 | 0 | 0 | 168 | 0 | 2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.325398 | | |
| 46 | 0 | 138 | 243 | 0 | 0 | 152 | 1 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.325288 | | |
| 74 | 0 | 120 | 269 | 0 | 0 | 121 | 1 | 0.2 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.699226 | | |
| 41 | 0 | 126 | 306 | 0 | 1 | 163 | 0 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.05557 | | |
| 60 | 0 | 120 | 178 | 1 | 1 | 96 | 0 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.034687 | | |
| 43 | 1 | 115 | 303 | 0 | 1 | 181 | 0 | 1.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.156324 | | |
| 55 | 0 | 132 | 342 | 0 | 1 | 166 | 0 | 1.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.065522 | | |
| 38 | 1 | 138 | 175 | 0 | 1 | 173 | 0 | 0 | 4 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.122152 | | |
| 53 | 1 | 140 | 203 | 1 | 0 | 155 | 1 | 3.1 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.641416 | | |
| 60 | 1 | 130 | 206 | 0 | 0 | 132 | 1 | 2.4 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.991736 | | |
| 60 | 1 | 117 | 230 | 1 | 1 | 160 | 1 | 1.4 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.902629 | | |
| 43 | 1 | 120 | 177 | 0 | 0 | 120 | 1 | 2.5 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.871628 | | |
| 58 | 1 | 112 | 230 | 0 | 0 | 165 | 0 | 2.5 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.609925 | | |
| 44 | 1 | 112 | 290 | 0 | 0 | 153 | 0 | 0 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.71255 | | |
| 54 | 1 | 124 | 266 | 0 | 0 | 109 | 1 | 2.2 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.986633 | | |
| 51 | 0 | 130 | 305 | 0 | 1 | 142 | 1 | 1.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.382282 | | |
| 46 | 1 | 150 | 231 | 0 | 1 | 147 | 0 | 3.6 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.581927 | | |
| 62 | 1 | 120 | 267 | 0 | 1 | 99 | 1 | 1.8 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.994447 | | |
| 60 | 1 | 125 | 258 | 0 | 0 | 141 | 1 | 2.8 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.964342 | | |
| 58 | 1 | 150 | 270 | 0 | 0 | 111 | 1 | 0.8 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.917995 | | |
| 60 | 0 | 150 | 258 | 0 | 0 | 157 | 0 | 2.6 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.842371 | | |
| 57 | 1 | 128 | 229 | 0 | 0 | 150 | 0 | 0.4 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.648552 | | |
| 65 | 1 | 135 | 254 | 0 | 0 | 127 | 0 | 2.8 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.892814 | | |
| 62 | 1 | 120 | 281 | 0 | 0 | 103 | 0 | 1.4 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.910111 | | |
| 64 | 1 | 125 | 309 | 0 | 1 | 131 | 1 | 1.8 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.753411 | | |
| 64 | 1 | 120 | 246 | 0 | 0 | 96 | 1 | 2.2 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.983542 | | |
| 64 | 1 | 145 | 212 | 0 | 0 | 132 | 0 | 2 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.963958 | | |
| 66 | 1 | 160 | 246 | 0 | 1 | 120 | 1 | 0 | 3 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.968799 | | |
| 62 | 0 | 138 | 294 | 1 | 1 | 106 | 0 | 1.9 | 3 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.597327 | | |
| 67 | 1 | 100 | 299 | 0 | 0 | 125 | 1 | 0.9 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.984853 | | |
| 45 | 1 | 142 | 309 | 0 | 0 | 147 | 1 | 0 | 3 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.980118 | | |
| 55 | 0 | 180 | 327 | 0 | 2 | 117 | 1 | 3.4 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.951841 | | |
| 59 | 1 | 126 | 218 | 1 | 1 | 134 | 0 | 2.2 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.554504 | | |
| 58 | 1 | 114 | 318 | 0 | 2 | 140 | 0 | 4.4 | 3 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.960289 | | |
| 67 | 1 | 152 | 212 | 0 | 0 | 150 | 0 | 0.8 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.261879 | | |
| 57 | 1 | 130 | 131 | 0 | 1 | 115 | 1 | 1.2 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.918513 | | |

Numerical Variables // Univariate Analysis on oldpeak

| Directory | | | | |
|-------------------|--|--|--|--|
| Libref | WORK | | | |
| Engine | V9 | | | |
| Physical Name | /saswork/SAS_work510A0001E711_odaws01-usw2-2.oda.sas.com/SAS_work1D2A0001E711_odaws01-usw2-2.oda.sas.com | | | |
| Filename | /saswork/SAS_work510A0001E711_odaws01-usw2-2.oda.sas.com/SAS_work1D2A0001E711_odaws01-usw2-2.oda.sas.com | | | |
| Inode Number | 2483028065 | | | |
| Access Permission | rwx----- | | | |
| Owner Name | u62194881 | | | |
| File Size | 4KB | | | |
| File Size (bytes) | 4096 | | | |

| # | Name | Member Type | File Size | Last Modified |
|---|----------------------|-------------|-----------|---------------------|
| 1 | IMPORT | DATA | 256KB | 07/28/2023 00:08:31 |
| 2 | IMPORT_PREDICTIONS | DATA | 256KB | 07/28/2023 00:08:32 |
| 3 | IMPORT_SELECT | DATA | 256KB | 07/28/2023 00:08:31 |
| 4 | IMPORT_TEST | DATA | 256KB | 07/28/2023 00:08:31 |
| 5 | IMPORT_TRAIN | DATA | 256KB | 07/28/2023 00:08:31 |
| 6 | IMPORT_TRAIN_LRMODEL | DATA | | |

| # | Name | Member Type | File Size | Last Modified |
|---|-----------------------------|-------------|-----------|---------------------|
| 7 | IMPORT_TRAIN_LRMODEL_OUTPUT | DATA | 256KB | 07/28/2023 00:08:31 |

Heart Disease Prediction

| age | sex | trestbps | chol | fbp | restecg | thalach | exang | oldpeak | ca | target | cp_0 | cp_1 | cp_2 | cp_3 | thal_0 | thal_1 | thal_2 | thal_3 | slope_0 | slope_1 | slope_2 | From: target | Into: target | Predicted Probability: target=0 | Predicted Probability: target=1 |
|-----|-----|----------|------|-----|---------|---------|-------|---------|----|--------|------|------|------|------|--------|--------|--------|--------|---------|---------|---------|--------------|--------------|---------------------------------|---------------------------------|
| 41 | 0 | 130 | 204 | 0 | 0 | 172 | 0 | 1.4 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0598952 | 0 |
| 54 | 1 | 140 | 239 | 0 | 1 | 160 | 0 | 1.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.2120029 | 0 |
| 48 | 0 | 130 | 275 | 0 | 1 | 139 | 0 | 0.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0809857 | 0 |
| 49 | 1 | 130 | 266 | 0 | 1 | 171 | 0 | 0.6 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1539982 | 0 |
| 58 | 0 | 150 | 283 | 1 | 0 | 162 | 0 | 1 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0485403 | 0 |
| 43 | 1 | 150 | 247 | 0 | 1 | 171 | 0 | 1.5 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.2998348 | 0 |
| 59 | 1 | 135 | 234 | 0 | 1 | 161 | 0 | 0.5 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1294156 | 0 |
| 71 | 0 | 160 | 302 | 0 | 1 | 162 | 0 | 0.4 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.611097 | 0 |
| 65 | 0 | 140 | 417 | 1 | 0 | 157 | 0 | 0.8 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3516504 | 0 |
| 41 | 0 | 105 | 198 | 0 | 1 | 168 | 0 | 0 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0872744 | 0 |
| 54 | 1 | 125 | 273 | 0 | 0 | 152 | 0 | 0.5 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7159489 | C |
| 65 | 0 | 155 | 269 | 0 | 1 | 148 | 0 | 0.8 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0707114 | 0 |
| 53 | 0 | 130 | 264 | 0 | 0 | 143 | 0 | 0.4 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0951747 | 0 |
| 48 | 1 | 122 | 222 | 0 | 0 | 186 | 0 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0905771 | 0 |
| 35 | 0 | 138 | 183 | 0 | 1 | 182 | 0 | 1.4 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0365143 | 0 |
| 51 | 1 | 140 | 261 | 0 | 0 | 186 | 1 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.4724884 | C |
| 43 | 0 | 122 | 213 | 0 | 1 | 165 | 0 | 0.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0259191 | 0 |
| 55 | 0 | 135 | 250 | 0 | 0 | 161 | 0 | 1.4 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0751462 | 0 |
| 52 | 1 | 152 | 298 | 1 | 1 | 178 | 0 | 1.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.134416 | 0 |
| 54 | 0 | 132 | 288 | 1 | 0 | 159 | 1 | 0 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5059374 | 0 |
| 45 | 0 | 112 | 160 | 0 | 1 | 138 | 0 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0276547 | 0 |
| 42 | 1 | 148 | 244 | 0 | 0 | 178 | 0 | 0.8 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9324555 | 0 |
| 50 | 0 | 120 | 244 | 0 | 1 | 162 | 0 | 1.1 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0343318 | 0 |
| 64 | 0 | 140 | 313 | 0 | 1 | 133 | 0 | 0.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0875309 | 0 |
| 41 | 1 | 130 | 214 | 0 | 0 | 168 | 0 | 2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3253977 | 0 |
| 46 | 0 | 138 | 243 | 0 | 0 | 152 | 1 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.325288 | 0 |
| 74 | 0 | 120 | 269 | 0 | 0 | 121 | 1 | 0.2 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6992261 | 0 |
| 41 | 0 | 126 | 306 | 0 | 1 | 163 | 0 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0555698 | 0 |
| 60 | 0 | 120 | 178 | 1 | 1 | 96 | 0 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0346874 | 0 |
| 43 | 1 | 115 | 303 | 0 | 1 | 181 | 0 | 1.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1563242 | 0 |
| 55 | 0 | 132 | 342 | 0 | 1 | 166 | 0 | 1.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0655224 | 0 |
| 38 | 1 | 138 | 175 | 0 | 1 | 173 | 0 | 0 | 4 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1221519 | 0 |
| 53 | 1 | 140 | 203 | 1 | 0 | 155 | 1 | 3.1 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6414158 | 0 |
| 60 | 1 | 130 | 206 | 0 | 0 | 132 | 1 | 2.4 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9917361 | 0 |
| 60 | 1 | 117 | 230 | 1 | 1 | 160 | 1 | 1.4 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9026292 | 0 |
| 43 | 1 | 120 | 177 | 0 | 0 | 120 | 1 | 2.5 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8716277 | 0 |
| 58 | 1 | 112 | 230 | 0 | 0 | 165 | 0 | 2.5 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6099251 | 0 |
| 44 | 1 | 112 | 290 | 0 | 0 | 153 | 0 | 0 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7125496 | 0 |
| 54 | 1 | 124 | 266 | 0 | 0 | 109 | 1 | 2.2 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9866335 | 0 |
| 51 | 0 | 130 | 305 | 0 | 1 | 142 | 1 | 1.2 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3822815 | 0 |
| 46 | 1 | 150 | 231 | 0 | 1 | 147 | 0 | 3.6 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5819273 | 0 |
| 62 | 1 | 120 | 267 | 0 | 1 | 99 | 1 | 1.8 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9944471 | 0 |
| 60 | 1 | 125 | 258 | 0 | 0 | 141 | 1 | 2.8 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.964342 | 0 |
| 58 | 1 | 150 | 270 | 0 | 0 | 111 | 1 | 0.8 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.917995 | 0 |
| 60 | 0 | 150 | 258 | 0 | 0 | 157 | 0 | 2.6 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8423712 | 0 |
| 57 | 1 | 128 | 229 | 0 | 0 | 150 | 0 | 0.4 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.648552 | 0 |
| 65 | 1 | 135 | 254 | 0 | 0 | 127 | 0 | 2.8 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8928137 | 0 |
| 62 | 1 | 120 | 281 | 0 | 0 | 103 | 0 | 1.4 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9101109 | 0 |
| 64 | 1 | 125 | 309 | 0 | 1 | 131 | 1 | 1.8 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7534106 | 0 |
| 64 | 1 | 120 | 246 | 0 | 0 | 96 | 1 | 2.2 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9835419 | 0 |
| 64 | 1 | 145 | 212 | 0 | 0 | 132 | 0 | 2 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9639584 | 0 |
| 66 | 1 | 160 | 246 | 0 | 1 | 120 | 1 | 0 | 3 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9687994 | 0 |
| 62 | 0 | 138 | 294 | 1 | 1 | 106 | 0 | 1.9 | 3 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5973266 | 0 |
| 67 | 1 | 100 | 299 | 0 | 0 | 125 | 1 | 0.9 | 2 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9848528 | 0 |
| 45 | 1 | 142 | 309 | 0 | 0 | 147 | 1 | 0 | 3 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9801176 | 0 |
| 55 | 0 | 180 | 327 | 0 | 2 | 117 | 1 | 3.4 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9518414 | 0 |
| 59 | 1 | 126 | 218 | 1 | 1 | 134 | 0 | 2.2 | 1 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5545036 | 0 |
| 58 | 1 | 114 | 318 | 0 | 2 | 140 | 0 | 4.4 | 3 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9602889 | C |
| 67 | 1 | 152 | 212 | 0 | 0 | 150 | 0 | 0. | | | | | | | | | | | | | | | | | |