

The LOGISTIC Procedure

| Model Information | | |
|---------------------------|------------------|-----------------|
| Data Set | WORK.FRMGHAM2 | |
| Response Variable | DEATH | Death indicator |
| Number of Response Levels | 2 | |
| Model | binary logit | |
| Optimization Technique | Fisher's scoring | |

| | |
|-----------------------------|------|
| Number of Observations Read | 3263 |
| Number of Observations Used | 3263 |

| Response Profile | | |
|------------------|-------|-----------------|
| Ordered Value | DEATH | Total Frequency |
| 1 | Alive | 2488 |
| 2 | Died | 775 |

Probability modeled is DEATH='Alive'.

| Class Level Information | | |
|-------------------------|--------|------------------|
| Class | Value | Design Variables |
| SEX | Female | 1 |
| | Male | -1 |

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

| Model Fit Statistics | | |
|----------------------|----------------|--------------------------|
| Criterion | Intercept Only | Intercept and Covariates |
| AIC | 3579.517 | 3512.109 |
| SC | 3585.607 | 3524.289 |
| -2 Log L | 3577.517 | 3508.109 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|--|------------|----|------------|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 69.4085 | 1 | <.0001 |
| Score | 70.0390 | 1 | <.0001 |
| Wald | 68.8011 | 1 | <.0001 |

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| Type 3 Analysis of Effects | | | |
|----------------------------|----|--------------------|------------|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| SEX | 1 | 68.8011 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|--|--------|----|----------|-------------------|--------------------|------------|
| Parameter | | DF | Estimate | Standard Error | Wald Chi-Square | Pr > ChiSq |
| Intercept | | 1 | 1.1451 | 0.0416 | 757.6729 | <.0001 |
| SEX | Female | 1 | 0.3451 | 0.0416 | 68.8011 | <.0001 |

| Odds Ratio Estimates | | | |
|----------------------|-------------------|-------------------------------|-------|
| Effect | Point Estimate | 95% Wald Confidence Limits | |
| SEX Female vs Male | 1.994 | 1.694 | 2.347 |

| Association of Predicted Probabilities and Observed Responses | | | |
|--|---------|-----------|-------|
| Percent Concordant | 34.1 | Somers' D | 0.170 |
| Percent Discordant | 17.1 | Gamma | 0.332 |
| Percent Tied | 48.7 | Tau-a | 0.062 |
| Pairs | 1928200 | c | 0.585 |

The LOGISTIC Procedure

| Model Information | | |
|---------------------------|------------------|------------------------|
| Data Set | WORK.FRMGHAM2 | |
| Response Variable | CURSMOKE | Current Cig Smoker Y/N |
| Number of Response Levels | 2 | |
| Model | binary logit | |
| Optimization Technique | Fisher's scoring | |

| | |
|-----------------------------|------|
| Number of Observations Read | 3263 |
| Number of Observations Used | 3263 |

| Response Profile | | |
|------------------|--------------------|-----------------|
| Ordered Value | CURSMOKE | Total Frequency |
| 1 | Current smoker | 1121 |
| 2 | Not current smoker | 2142 |

Probability modeled is CURSMOKE='Current smoker'.

| Class Level Information | | |
|-------------------------|--------|------------------|
| Class | Value | Design Variables |
| SEX | Female | 1 |
| | Male | -1 |

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

| Model Fit Statistics | | |
|----------------------|----------------|--------------------------|
| Criterion | Intercept Only | Intercept and Covariates |
| AIC | 4200.577 | 4180.939 |
| SC | 4206.667 | 4193.119 |
| -2 Log L | 4198.577 | 4176.939 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|--|------------|----|------------|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 21.6380 | 1 | <.0001 |
| Score | 21.7193 | 1 | <.0001 |
| Wald | 21.6482 | 1 | <.0001 |

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| Type 3 Analysis of Effects | | | |
|----------------------------|----|--------------------|------------|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| SEX | 1 | 21.6482 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|--|--------|----|----------|-------------------|--------------------|------------|
| Parameter | | DF | Estimate | Standard Error | Wald Chi-Square | Pr > ChiSq |
| Intercept | | 1 | -0.6261 | 0.0372 | 283.7660 | <.0001 |
| SEX | Female | 1 | -0.1729 | 0.0372 | 21.6482 | <.0001 |

| Odds Ratio Estimates | | | |
|----------------------|-------------------|-------------------------------|-------|
| Effect | Point Estimate | 95% Wald Confidence Limits | |
| SEX Female vs Male | 0.708 | 0.612 | 0.819 |

| Association of Predicted Probabilities and Observed Responses | | | |
|--|---------|-----------|-------|
| Percent Concordant | 29.0 | Somers' D | 0.085 |
| Percent Discordant | 20.6 | Gamma | 0.171 |
| Percent Tied | 50.4 | Tau-a | 0.038 |
| Pairs | 2401182 | c | 0.542 |

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| Model Information | | |
|---------------------------|------------------|-----------------|
| Data Set | WORK.FRMGHAM2 | |
| Response Variable | DEATH | Death indicator |
| Number of Response Levels | 2 | |
| Model | binary logit | |
| Optimization Technique | Fisher's scoring | |

| | |
|-----------------------------|------|
| Number of Observations Read | 3263 |
| Number of Observations Used | 3246 |

| Response Profile | | |
|------------------|-------|-----------------|
| Ordered Value | DEATH | Total Frequency |
| 1 | Alive | 2480 |
| 2 | Died | 766 |

Probability modeled is DEATH='Alive'.

Note: 17 observations were deleted due to missing values for the response or explanatory variables.

| Class Level Information | | |
|-------------------------|--------|------------------|
| Class | Value | Design Variables |
| SEX | Female | 1 |
| | Male | -1 |

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

| Model Fit Statistics | | |
|----------------------|----------------|--------------------------|
| Criterion | Intercept Only | Intercept and Covariates |
| AIC | 3549.261 | 3035.749 |
| SC | 3555.346 | 3060.090 |
| -2 Log L | 3547.261 | 3027.749 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|--|------------|----|------------|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 519.5117 | 3 | <.0001 |
| Score | 498.5873 | 3 | <.0001 |
| Wald | 420.9556 | 3 | <.0001 |

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| Type 3 Analysis of Effects | | | |
|----------------------------|----|--------------------|------------|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| AGE | 1 | 378.2888 | <.0001 |
| SEX | 1 | 92.9651 | <.0001 |
| BMI | 1 | 0.5066 | 0.4766 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|--|--------|----|----------|-------------------|--------------------|------------|
| Parameter | | DF | Estimate | Standard Error | Wald Chi-Square | Pr > ChiSq |
| Intercept | | 1 | 8.0528 | 0.4882 | 272.1357 | <.0001 |
| AGE | | 1 | -0.1139 | 0.00586 | 378.2888 | <.0001 |
| SEX | Female | 1 | 0.4425 | 0.0459 | 92.9651 | <.0001 |
| BMI | | 1 | 0.00813 | 0.0114 | 0.5066 | 0.4766 |

| Odds Ratio Estimates | | | |
|----------------------|-------------------|-------------------------------|-------|
| Effect | Point Estimate | 95% Wald Confidence Limits | |
| AGE | 0.892 | 0.882 | 0.903 |
| SEX Female vs Male | 2.423 | 2.024 | 2.900 |
| BMI | 1.008 | 0.986 | 1.031 |

| Association of Predicted Probabilities and Observed Responses | | | |
|--|---------|-----------|-------|
| Percent Concordant | 75.5 | Somers' D | 0.510 |
| Percent Discordant | 24.5 | Gamma | 0.510 |
| Percent Tied | 0.0 | Tau-a | 0.184 |
| Pairs | 1899680 | c | 0.755 |

The LOGISTIC Procedure

| Model Information | | |
|---------------------------|------------------|--------------|
| Data Set | WORK.FRMIGHAM1 | |
| Response Variable | DIABETES | Diabetic Y/N |
| Number of Response Levels | 2 | |
| Model | binary logit | |
| Optimization Technique | Fisher's scoring | |

| | |
|-----------------------------|------|
| Number of Observations Read | 3263 |
| Number of Observations Used | 3013 |

| Response Profile | | |
|------------------|----------|-----------------|
| Ordered Value | DIABETES | Total Frequency |
| 1 | 0 | 2782 |
| 2 | 1 | 231 |

Probability modeled is DIABETES=0.

Note: 250 observations were deleted due to missing values for the response or explanatory variables.

| Class Level Information | | |
|-------------------------|-------|------------------|
| Class | Value | Design Variables |
| SEX | 1 | 1 |
| | 2 | -1 |

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

| Model Fit Statistics | | |
|----------------------|----------------|--------------------------|
| Criterion | Intercept Only | Intercept and Covariates |
| AIC | 1632.361 | 1574.959 |
| SC | 1638.372 | 1605.012 |
| -2 Log L | 1630.361 | 1564.959 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|--|------------|----|------------|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 65.4027 | 4 | <.0001 |
| Score | 66.5709 | 4 | <.0001 |
| Wald | 63.6712 | 4 | <.0001 |

The LOGISTIC Procedure

| Type 3 Analysis of Effects | | | |
|----------------------------|----|--------------------|------------|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| AGE | 1 | 38.2626 | <.0001 |
| SEX | 1 | 3.5276 | 0.0604 |
| BMI | 1 | 26.9868 | <.0001 |
| LDLC | 1 | 1.1859 | 0.2762 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|--|---|----|----------|-------------------|--------------------|------------|
| Parameter | | DF | Estimate | Standard Error | Wald Chi-Square | Pr > ChiSq |
| Intercept | | 1 | 7.5240 | 0.7489 | 100.9466 | <.0001 |
| AGE | | 1 | -0.0514 | 0.00831 | 38.2626 | <.0001 |
| SEX | 1 | 1 | -0.1320 | 0.0703 | 3.5276 | 0.0604 |
| BMI | | 1 | -0.0814 | 0.0157 | 26.9868 | <.0001 |
| LDLC | | 1 | 0.00166 | 0.00153 | 1.1859 | 0.2762 |

| Odds Ratio Estimates | | | |
|----------------------|-------------------|-------------------------------|-------|
| Effect | Point Estimate | 95% Wald Confidence Limits | |
| AGE | 0.950 | 0.935 | 0.965 |
| SEX 1 vs 2 | 0.768 | 0.583 | 1.012 |
| BMI | 0.922 | 0.894 | 0.951 |
| LDLC | 1.002 | 0.999 | 1.005 |

| Association of Predicted Probabilities and Observed Responses | | | |
|--|--------|-----------|-------|
| Percent Concordant | 65.4 | Somers' D | 0.309 |
| Percent Discordant | 34.6 | Gamma | 0.309 |
| Percent Tied | 0.0 | Tau-a | 0.044 |
| Pairs | 642642 | c | 0.654 |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table of SEX by DEATH | | | |
|-----------------------------------|---------------------------------|--------------------------------|----------------|
| SEX(Gender 1=Male 2=Female) | DEATH(Death indicator) | | |
| | Alive | Died | Total |
| Male | 957 29.33 69.00 38.46 | 430 13.18 31.00 55.48 | 1387 42.51 |
| Female | 1531 46.92 81.61 61.54 | 345 10.57 18.39 44.52 | 1876 57.49 |
| Total | 2488 76.25 | 775 23.75 | 3263 100.00 |

Frequency
Percent
Row Pct
Col Pct

| Table 1 of DEATH by CURSMOKE | | | |
|------------------------------|-------------------------------------|--------------------------------|----------------|
| Controlling for SEX=Male | | | |
| DEATH(Death indicator) | CURSMOKE(Current Cig Smoker Y/N) | | |
| | Not current smoker | Current smoker | Total |
| Alive | 586 42.25 61.23 69.10 | 371 26.75 38.77 68.83 | 957 69.00 |
| Died | 262 18.89 60.93 30.90 | 168 12.11 39.07 31.17 | 430 31.00 |
| Total | 848 61.14 | 539 38.86 | 1387 100.00 |

Frequency
Percent
Row Pct
Col Pct

| Table 2 of DEATH by CURSMOKE | | | |
|------------------------------|-------------------------------------|--------------------------------|----------------|
| Controlling for SEX=Female | | | |
| DEATH(Death indicator) | CURSMOKE(Current Cig Smoker Y/N) | | |
| | Not current smoker | Current smoker | Total |
| Alive | 1055 56.24 68.91 81.53 | 476 25.37 31.09 81.79 | 1531 81.61 |
| Died | 239 12.74 69.28 18.47 | 106 5.65 30.72 18.21 | 345 18.39 |
| Total | 1294 68.98 | 582 31.02 | 1876 100.00 |

The FREQ Procedure

| Frequency Percent Row Pct Col Pct | Table 1 of DEATH by AGE | | | | | | |
|--|---------------------------|--------------------------|-------|-------|-------|--------|-------|
| | Controlling for SEX=Male | | | | | | |
| | DEATH(Death indicator) | AGE(Age at Exam (years)) | | | | | |
| | | 36-45 | 46-55 | 56-65 | 66-75 | 76-85 | Total |
| | | | | | | | |
| Alive | 2 | 415 | 380 | 153 | 7 | 957 | |
| | 0.14 | 29.92 | 27.40 | 11.03 | 0.50 | 69.00 | |
| | 0.21 | 43.36 | 39.71 | 15.99 | 0.73 | | |
| | 100.00 | 87.37 | 72.80 | 45.13 | 14.29 | | |
| Died | 0 | 60 | 142 | 186 | 42 | 430 | |
| | 0.00 | 4.33 | 10.24 | 13.41 | 3.03 | 31.00 | |
| | 0.00 | 13.95 | 33.02 | 43.26 | 9.77 | | |
| | 0.00 | 12.63 | 27.20 | 54.87 | 85.71 | | |
| Total | 2 | 475 | 522 | 339 | 49 | 1387 | |
| | 0.14 | 34.25 | 37.64 | 24.44 | 3.53 | 100.00 | |

| Frequency Percent Row Pct Col Pct | Table 2 of DEATH by AGE | | | | | | |
|--|----------------------------|--------------------------|-------|-------|-------|--------|-------|
| | Controlling for SEX=Female | | | | | | |
| | DEATH(Death indicator) | AGE(Age at Exam (years)) | | | | | |
| | | 36-45 | 46-55 | 56-65 | 66-75 | 76-85 | Total |
| | Alive | 5 | 564 | 575 | 356 | 31 | 1531 |
| | | 0.27 | 30.06 | 30.65 | 18.98 | 1.65 | 81.61 |
| 0.33 | | 36.84 | 37.56 | 23.25 | 2.02 | | |
| 100.00 | | 93.69 | 84.68 | 70.08 | 37.80 | | |
| Died | 0 | 38 | 104 | 152 | 51 | 345 | |
| | 0.00 | 2.03 | 5.54 | 8.10 | 2.72 | 18.39 | |
| | 0.00 | 11.01 | 30.14 | 44.06 | 14.78 | | |
| | 0.00 | 6.31 | 15.32 | 29.92 | 62.20 | | |
| Total | 5 | 602 | 679 | 508 | 82 | 1876 | |
| | 0.27 | 32.09 | 36.19 | 27.08 | 4.37 | 100.00 | |

| Frequency Percent Row Pct Col Pct | Table 1 of DEATH by BMI | | | | | | |
|--|---------------------------|--------------------------------|-----------|---------|---------|--------|-------|
| | Controlling for SEX=Male | | | | | | |
| | DEATH(Death indicator) | BMI(Body Mass Index (kg/m**2)) | | | | | |
| | | 0-18.4 | 18.5-24.9 | 25-29.9 | 30-39.9 | 40+ | Total |
| | | 7 | 314 | 508 | 123 | 2 | 954 |
| | | 0.51 | 22.75 | 36.81 | 8.91 | 0.14 | 69.13 |
| 0.73 | 32.91 | 53.25 | 12.89 | 0.21 | | | |
| | 35.00 | 65.55 | 71.45 | 73.21 | 100.00 | | |
| Died | 13 | 165 | 203 | 45 | 0 | 426 | |
| | 0.94 | 11.96 | 14.71 | 3.26 | 0.00 | 30.87 | |
| | 3.05 | 38.73 | 47.65 | 10.56 | 0.00 | | |
| | 65.00 | 34.45 | 28.55 | 26.79 | 0.00 | | |
| Total | 20 | 479 | 711 | 168 | 2 | 1380 | |
| | 1.45 | 34.71 | 51.52 | 12.17 | 0.14 | 100.00 | |
| Frequency Missing = 7 | | | | | | | |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 2 of DEATH by BMI | | | | | | |
|----------------------------|--------------------------------|-----------|---------|---------|-------|--------|
| Controlling for SEX=Female | | | | | | |
| DEATH(Death indicator) | BMI(Body Mass Index (kg/m**2)) | | | | | |
| | 0-18.4 | 18.5-24.9 | 25-29.9 | 30-39.9 | 40+ | Total |
| Alive | 20 | 777 | 508 | 207 | 14 | 1526 |
| | 1.07 | 41.64 | 27.22 | 11.09 | 0.75 | 81.78 |
| | 1.31 | 50.92 | 33.29 | 13.56 | 0.92 | |
| | 68.97 | 83.19 | 82.87 | 76.38 | 73.68 | |
| Died | 9 | 157 | 105 | 64 | 5 | 340 |
| | 0.48 | 8.41 | 5.63 | 3.43 | 0.27 | 18.22 |
| | 2.65 | 46.18 | 30.88 | 18.82 | 1.47 | |
| | 31.03 | 16.81 | 17.13 | 23.62 | 26.32 | |
| Total | 29 | 934 | 613 | 271 | 19 | 1866 |
| | 1.55 | 50.05 | 32.85 | 14.52 | 1.02 | 100.00 |
| Frequency Missing = 10 | | | | | | |

Frequency
Percent
Row Pct
Col Pct

| Table 1 of BMI by LDLC | | | | |
|--|-----------------------------|----------|--------|--------|
| Controlling for DIABETES=Does not have DM AGE=36-45 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 | 0 | 0 | 0 |
| | 0.00 | 0.00 | 0.00 | 0.00 |
| | . | . | . | |
| | . | 0.00 | 0.00 | |
| 18.5-24.9 | 0 | 1 | 0 | 1 |
| | 0.00 | 50.00 | 0.00 | 50.00 |
| | 0.00 | 100.00 | 0.00 | |
| | . | 100.00 | 0.00 | |
| 25-29.9 | 0 | 0 | 1 | 1 |
| | 0.00 | 0.00 | 50.00 | 50.00 |
| | 0.00 | 0.00 | 100.00 | |
| | . | 0.00 | 100.00 | |
| 30-39.9 | 0 | 0 | 0 | 0 |
| | 0.00 | 0.00 | 0.00 | 0.00 |
| | . | . | . | |
| | . | 0.00 | 0.00 | |
| 40+ | 0 | 0 | 0 | 0 |
| | 0.00 | 0.00 | 0.00 | 0.00 |
| | . | . | . | |
| | . | 0.00 | 0.00 | |
| Total | 0 | 1 | 1 | 2 |
| | 0.00 | 50.00 | 50.00 | 100.00 |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 2 of BMI by LDLC | | | | |
|--|-----------------------------|------------------------|-------------------------------|-------------|
| Controlling for DIABETES=Does not have DM AGE=36-45 SEX=Female | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 0.00 . . | 0 0.00 . . | 0 0.00 . 0.00 | 0 0.00 |
| 18.5-24.9 | 0 0.00 0.00 . | 0 0.00 0.00 . | 3 75.00 100.00 75.00 | 3 75.00 |
| 25-29.9 | 0 0.00 0.00 . | 0 0.00 0.00 . | 1 25.00 100.00 25.00 | 1 25.00 |
| 30-39.9 | 0 0.00 . . | 0 0.00 . . | 0 0.00 . 0.00 | 0 0.00 |
| 40+ | 0 0.00 . . | 0 0.00 . . | 0 0.00 . 0.00 | 0 0.00 |
| Total | 0 0.00 | 0 0.00 | 4 100.00 | 4 100.00 |
| Frequency Missing = 1 | | | | |

Frequency
Percent
Row Pct
Col Pct

| Table 3 of BMI by LDLC | | | | |
|--|-----------------------------|-------------------------------|--------------------------------|--------------|
| Controlling for DIABETES=Does not have DM AGE=46-55 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 2 0.48 66.67 11.11 | 1 0.24 33.33 0.96 | 0 0.00 0.00 0.00 | 3 0.71 |
| 18.5-24.9 | 7 1.67 5.34 38.89 | 38 9.05 29.01 36.54 | 86 20.48 65.65 28.86 | 131 31.19 |
| 25-29.9 | 8 1.90 3.64 44.44 | 56 13.33 25.45 53.85 | 156 37.14 70.91 52.35 | 220 52.38 |
| 30-39.9 | 1 0.24 1.54 5.56 | 9 2.14 13.85 8.65 | 55 13.10 84.62 18.46 | 65 15.48 |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 3 of BMI by LDLC | | | | |
|--|-----------------------------|----------|--------|--------|
| Controlling for DIABETES=Does not have DM AGE=46-55 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 40+ | 0 | 0 | 1 | 1 |
| | 0.00 | 0.00 | 0.24 | 0.24 |
| | 0.00 | 0.00 | 100.00 | |
| | 0.00 | 0.00 | 0.34 | |
| Total | 18 | 104 | 298 | 420 |
| | 4.29 | 24.76 | 70.95 | 100.00 |
| Frequency Missing = 27 | | | | |

Frequency
Percent
Row Pct
Col Pct

| Table 4 of BMI by LDLC | | | | |
|--|-----------------------------|----------|--------|--------|
| Controlling for DIABETES=Does not have DM AGE=46-55 SEX=Female | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 | 3 | 2 | 5 |
| | 0.00 | 0.56 | 0.37 | 0.94 |
| | 0.00 | 60.00 | 40.00 | |
| | 0.00 | 1.92 | 0.55 | |
| 18.5-24.9 | 9 | 102 | 197 | 308 |
| | 1.69 | 19.10 | 36.89 | 57.68 |
| | 2.92 | 33.12 | 63.96 | |
| | 56.25 | 65.38 | 54.42 | |
| 25-29.9 | 5 | 40 | 108 | 153 |
| | 0.94 | 7.49 | 20.22 | 28.65 |
| | 3.27 | 26.14 | 70.59 | |
| | 31.25 | 25.64 | 29.83 | |
| 30-39.9 | 2 | 11 | 50 | 63 |
| | 0.37 | 2.06 | 9.36 | 11.80 |
| | 3.17 | 17.46 | 79.37 | |
| | 12.50 | 7.05 | 13.81 | |
| 40+ | 0 | 0 | 5 | 5 |
| | 0.00 | 0.00 | 0.94 | 0.94 |
| | 0.00 | 0.00 | 100.00 | |
| | 0.00 | 0.00 | 1.38 | |
| Total | 16 | 156 | 362 | 534 |
| | 3.00 | 29.21 | 67.79 | 100.00 |
| Frequency Missing = 44 | | | | |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 5 of BMI by LDLC | | | | |
|--|-----------------------------|-------------------------------|--------------------------------|---------------|
| Controlling for DIABETES=Does not have DM AGE=56-65 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 2 0.46 33.33 9.52 | 2 0.46 33.33 1.50 | 2 0.46 33.33 0.70 | 6 1.37 |
| 18.5-24.9 | 10 2.28 6.94 47.62 | 49 11.19 34.03 36.84 | 85 19.41 59.03 29.93 | 144 32.88 |
| 25-29.9 | 7 1.60 2.93 33.33 | 70 15.98 29.29 52.63 | 162 36.99 67.78 57.04 | 239 54.57 |
| 30-39.9 | 2 0.46 4.08 9.52 | 12 2.74 24.49 9.02 | 35 7.99 71.43 12.32 | 49 11.19 |
| 40+ | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 |
| Total | 21 4.79 | 133 30.37 | 284 64.84 | 438 100.00 |
| Frequency Missing = 35 | | | | |

Frequency
Percent
Row Pct
Col Pct

| Table 6 of BMI by LDLC | | | | |
|--|-----------------------------|-------------------------------|--------------------------------|--------------|
| Controlling for DIABETES=Does not have DM AGE=56-65 SEX=Female | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 0.00 0.00 0.00 | 2 0.34 33.33 1.53 | 4 0.69 66.67 0.92 | 6 1.03 |
| 18.5-24.9 | 10 1.72 3.25 66.67 | 69 11.90 22.40 52.67 | 229 39.48 74.35 52.76 | 308 53.10 |
| 25-29.9 | 2 0.34 1.05 13.33 | 41 7.07 21.58 31.30 | 147 25.34 77.37 33.87 | 190 32.76 |
| 30-39.9 | 2 0.34 2.74 13.33 | 19 3.28 26.03 14.50 | 52 8.97 71.23 11.98 | 73 12.59 |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 6 of BMI by LDLC | | | | |
|--|-----------------------------|---------------------------|----------------------------|---------------|
| Controlling for DIABETES=Does not have DM AGE=56-65 SEX=Female | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 40+ | 1 0.17 33.33 6.67 | 0 0.00 0.00 0.00 | 2 0.34 66.67 0.46 | 3 0.52 |
| Total | 15 2.59 | 131 22.59 | 434 74.83 | 580 100.00 |
| Frequency Missing = 54 | | | | |

Frequency
Percent
Row Pct
Col Pct

| Table 7 of BMI by LDLC | | | | |
|--|-----------------------------|-------------------------------|-------------------------------|---------------|
| Controlling for DIABETES=Does not have DM AGE=66-75 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 0.00 0.00 0.00 | 0 0.00 0.00 0.00 | 5 1.76 100.00 2.73 | 5 1.76 |
| 18.5-24.9 | 8 2.82 6.78 61.54 | 36 12.68 30.51 40.91 | 74 26.06 62.71 40.44 | 118 41.55 |
| 25-29.9 | 5 1.76 3.52 38.46 | 47 16.55 33.10 53.41 | 90 31.69 63.38 49.18 | 142 50.00 |
| 30-39.9 | 0 0.00 0.00 0.00 | 5 1.76 26.32 5.68 | 14 4.93 73.68 7.65 | 19 6.69 |
| 40+ | 0 0.00 0.00 | 0 0.00 0.00 | 0 0.00 0.00 | 0 0.00 |
| Total | 13 4.58 | 88 30.99 | 183 64.44 | 284 100.00 |
| Frequency Missing = 16 | | | | |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 8 of BMI by LDLC | | | | |
|--|-----------------------------|----------|--------|--------|
| Controlling for DIABETES=Does not have DM AGE=66-75 SEX=Female | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 | 4 | 4 | 8 |
| | 0.00 | 0.95 | 0.95 | 1.90 |
| | 0.00 | 50.00 | 50.00 | |
| | 0.00 | 5.56 | 1.18 | |
| 18.5-24.9 | 8 | 35 | 132 | 175 |
| | 1.90 | 8.29 | 31.28 | 41.47 |
| | 4.57 | 20.00 | 75.43 | |
| | 80.00 | 48.61 | 38.82 | |
| 25-29.9 | 0 | 21 | 152 | 173 |
| | 0.00 | 4.98 | 36.02 | 41.00 |
| | 0.00 | 12.14 | 87.86 | |
| | 0.00 | 29.17 | 44.71 | |
| 30-39.9 | 2 | 12 | 49 | 63 |
| | 0.47 | 2.84 | 11.61 | 14.93 |
| | 3.17 | 19.05 | 77.78 | |
| | 20.00 | 16.67 | 14.41 | |
| 40+ | 0 | 0 | 3 | 3 |
| | 0.00 | 0.00 | 0.71 | 0.71 |
| | 0.00 | 0.00 | 100.00 | |
| | 0.00 | 0.00 | 0.88 | |
| Total | 10 | 72 | 340 | 422 |
| | 2.37 | 17.06 | 80.57 | 100.00 |
| Frequency Missing = 33 | | | | |

Frequency
Percent
Row Pct
Col Pct

| Table 9 of BMI by LDLC | | | | |
|--|-----------------------------|----------|-------|-------|
| Controlling for DIABETES=Does not have DM AGE=76-85 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 1 | 2 | 0 | 3 |
| | 2.44 | 4.88 | 0.00 | 7.32 |
| | 33.33 | 66.67 | 0.00 | |
| | 33.33 | 11.76 | 0.00 | |
| 18.5-24.9 | 1 | 6 | 11 | 18 |
| | 2.44 | 14.63 | 26.83 | 43.90 |
| | 5.56 | 33.33 | 61.11 | |
| | 33.33 | 35.29 | 52.38 | |
| 25-29.9 | 1 | 7 | 9 | 17 |
| | 2.44 | 17.07 | 21.95 | 41.46 |
| | 5.88 | 41.18 | 52.94 | |
| | 33.33 | 41.18 | 42.86 | |
| 30-39.9 | 0 | 2 | 1 | 3 |
| | 0.00 | 4.88 | 2.44 | 7.32 |
| | 0.00 | 66.67 | 33.33 | |
| | 0.00 | 11.76 | 4.76 | |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 9 of BMI by LDLC | | | | |
|--|-----------------------------|------------------------|------------------------|------------------------|
| Controlling for DIABETES=Does not have DM AGE=76-85 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 40+ | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 . 0.00 |
| Total | 3 7.32 | 17 41.46 | 21 51.22 | 41 100.00 |
| Frequency Missing = 4 | | | | |

Frequency
Percent
Row Pct
Col Pct

| Table 10 of BMI by LDLC | | | | |
|--|-----------------------------|------------------------------|-------------------------------|------------------------|
| Controlling for DIABETES=Does not have DM AGE=76-85 SEX=Female | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 0.00 0.00 . | 1 1.75 25.00 6.25 | 3 5.26 75.00 7.32 | 4 7.02 |
| 18.5-24.9 | 0 0.00 0.00 . | 8 14.04 30.77 50.00 | 18 31.58 69.23 43.90 | 26 45.61 |
| 25-29.9 | 0 0.00 0.00 . | 4 7.02 20.00 25.00 | 16 28.07 80.00 39.02 | 20 35.09 |
| 30-39.9 | 0 0.00 0.00 . | 3 5.26 42.86 18.75 | 4 7.02 57.14 9.76 | 7 12.28 |
| 40+ | 0 0.00 . . | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 . 0.00 |
| Total | 0 0.00 | 16 28.07 | 41 71.93 | 57 100.00 |
| Frequency Missing = 13 | | | | |

| Table 11 of BMI by LDLC |
|--|
| Controlling for DIABETES=Has DM AGE=36-45 SEX=Male |
| Sample Size = 0 |

The FREQ Procedure

| |
|--|
| Table 12 of BMI by LDLC |
| Controlling for DIABETES=Has DM AGE=36-45 SEX=Female |
| Sample Size = 0 |

Frequency
Percent
Row Pct
Col Pct

| Table 13 of BMI by LDLC | | | | |
|--|-----------------------------|----------|-------|--------|
| Controlling for DIABETES=Has DM AGE=46-55 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 | 0 | 0 | 0 |
| | 0.00 | 0.00 | 0.00 | 0.00 |
| | . | . | . | . |
| | 0.00 | 0.00 | 0.00 | |
| 18.5-24.9 | 0 | 4 | 4 | 8 |
| | 0.00 | 16.00 | 16.00 | 32.00 |
| | 0.00 | 50.00 | 50.00 | |
| | 0.00 | 30.77 | 36.36 | |
| 25-29.9 | 1 | 7 | 2 | 10 |
| | 4.00 | 28.00 | 8.00 | 40.00 |
| | 10.00 | 70.00 | 20.00 | |
| | 100.00 | 53.85 | 18.18 | |
| 30-39.9 | 0 | 2 | 5 | 7 |
| | 0.00 | 8.00 | 20.00 | 28.00 |
| | 0.00 | 28.57 | 71.43 | |
| | 0.00 | 15.38 | 45.45 | |
| 40+ | 0 | 0 | 0 | 0 |
| | 0.00 | 0.00 | 0.00 | 0.00 |
| | . | . | . | . |
| | 0.00 | 0.00 | 0.00 | |
| Total | 1 | 13 | 11 | 25 |
| | 4.00 | 52.00 | 44.00 | 100.00 |
| Frequency Missing = 3 | | | | |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 14 of BMI by LDLC | | | | |
|--|------------------------------|------------------------------|------------------------------|------------------------|
| Controlling for DIABETES=Has DM AGE=46-55 SEX=Female | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 . 0.00 |
| 18.5-24.9 | 0 0.00 0.00 0.00 | 1 4.55 16.67 16.67 | 5 22.73 83.33 33.33 | 6 27.27 |
| 25-29.9 | 1 4.55 14.29 100.00 | 2 9.09 28.57 33.33 | 4 18.18 57.14 26.67 | 7 31.82 |
| 30-39.9 | 0 0.00 0.00 0.00 | 3 13.64 42.86 50.00 | 4 18.18 57.14 26.67 | 7 31.82 |
| 40+ | 0 0.00 0.00 0.00 | 0 0.00 0.00 0.00 | 2 9.09 100.00 13.33 | 2 9.09 |
| Total | 1 4.55 | 6 27.27 | 15 68.18 | 22 100.00 |
| Frequency Missing = 2 | | | | |

Frequency
Percent
Row Pct
Col Pct

| Table 15 of BMI by LDLC | | | | |
|--|-----------------------------|------------------------------|-------------------------------|------------------------|
| Controlling for DIABETES=Has DM AGE=56-65 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 . 0.00 |
| 18.5-24.9 | 0 0.00 0.00 0.00 | 1 2.22 7.14 11.11 | 13 28.89 92.86 37.14 | 14 31.11 |
| 25-29.9 | 1 2.22 4.00 100.00 | 6 13.33 24.00 66.67 | 18 40.00 72.00 51.43 | 25 55.56 |
| 30-39.9 | 0 0.00 0.00 0.00 | 2 4.44 33.33 22.22 | 4 8.89 66.67 11.43 | 6 13.33 |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 15 of BMI by LDLC | | | | |
|--|-----------------------------|------------------------|------------------------|------------------------|
| Controlling for DIABETES=Has DM AGE=56-65 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 40+ | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 . 0.00 |
| Total | 1 2.22 | 9 20.00 | 35 77.78 | 45 100.00 |
| Frequency Missing = 4 | | | | |

Frequency
Percent
Row Pct
Col Pct

| Table 16 of BMI by LDLC | | | | |
|--|-----------------------------|------------------------------|-------------------------------|------------------------|
| Controlling for DIABETES=Has DM AGE=56-65 SEX=Female | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 0.00 . . | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 . 0.00 |
| 18.5-24.9 | 0 0.00 0.00 . | 1 2.50 8.33 11.11 | 11 27.50 91.67 35.48 | 12 30.00 . . |
| 25-29.9 | 0 0.00 0.00 . | 3 7.50 21.43 33.33 | 11 27.50 78.57 35.48 | 14 35.00 . . |
| 30-39.9 | 0 0.00 0.00 . | 4 10.00 33.33 44.44 | 8 20.00 66.67 25.81 | 12 30.00 . . |
| 40+ | 0 0.00 0.00 . | 1 2.50 50.00 11.11 | 1 2.50 50.00 3.23 | 2 5.00 . . |
| Total | 0 0.00 | 9 22.50 | 31 77.50 | 40 100.00 |
| Frequency Missing = 5 | | | | |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 17 of BMI by LDLC | | | | |
|--|-----------------------------|----------|--------|--------|
| Controlling for DIABETES=Has DM AGE=66-75 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 | 0 | 1 | 1 |
| | 0.00 | 0.00 | 2.56 | 2.56 |
| | 0.00 | 0.00 | 100.00 | |
| | 0.00 | 0.00 | 4.35 | |
| 18.5-24.9 | 1 | 4 | 10 | 15 |
| | 2.56 | 10.26 | 25.64 | 38.46 |
| | 6.67 | 26.67 | 66.67 | |
| | 25.00 | 33.33 | 43.48 | |
| 25-29.9 | 3 | 6 | 11 | 20 |
| | 7.69 | 15.38 | 28.21 | 51.28 |
| | 15.00 | 30.00 | 55.00 | |
| | 75.00 | 50.00 | 47.83 | |
| 30-39.9 | 0 | 2 | 1 | 3 |
| | 0.00 | 5.13 | 2.56 | 7.69 |
| | 0.00 | 66.67 | 33.33 | |
| | 0.00 | 16.67 | 4.35 | |
| 40+ | 0 | 0 | 0 | 0 |
| | 0.00 | 0.00 | 0.00 | 0.00 |
| | . | . | . | |
| | 0.00 | 0.00 | 0.00 | |
| Total | 4 | 12 | 23 | 39 |
| | 10.26 | 30.77 | 58.97 | 100.00 |

Frequency
Percent
Row Pct
Col Pct

| Table 18 of BMI by LDLC | | | | |
|--|-----------------------------|----------|--------|-------|
| Controlling for DIABETES=Has DM AGE=66-75 SEX=Female | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 | 0 | 1 | 1 |
| | 0.00 | 0.00 | 2.08 | 2.08 |
| | 0.00 | 0.00 | 100.00 | |
| | 0.00 | 0.00 | 2.86 | |
| 18.5-24.9 | 1 | 3 | 15 | 19 |
| | 2.08 | 6.25 | 31.25 | 39.58 |
| | 5.26 | 15.79 | 78.95 | |
| | 33.33 | 30.00 | 42.86 | |
| 25-29.9 | 0 | 3 | 12 | 15 |
| | 0.00 | 6.25 | 25.00 | 31.25 |
| | 0.00 | 20.00 | 80.00 | |
| | 0.00 | 30.00 | 34.29 | |
| 30-39.9 | 2 | 2 | 7 | 11 |
| | 4.17 | 4.17 | 14.58 | 22.92 |
| | 18.18 | 18.18 | 63.64 | |
| | 66.67 | 20.00 | 20.00 | |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 18 of BMI by LDLC | | | | |
|--|-----------------------------|------------------------------|---------------------------|--------------|
| Controlling for DIABETES=Has DM AGE=66-75 SEX=Female | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 40+ | 0 0.00 0.00 0.00 | 2 4.17 100.00 20.00 | 0 0.00 0.00 0.00 | 2 4.17 |
| Total | 3 6.25 | 10 20.83 | 35 72.92 | 48 100.00 |
| Frequency Missing = 5 | | | | |

Frequency
Percent
Row Pct
Col Pct

| Table 19 of BMI by LDLC | | | | |
|--|-----------------------------|--------------------------------|--------------------------------|-------------|
| Controlling for DIABETES=Has DM AGE=76-85 SEX=Male | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 0.00 . . | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 |
| 18.5-24.9 | 0 0.00 0.00 . | 0 0.00 0.00 0.00 | 2 50.00 100.00 100.00 | 2 50.00 |
| 25-29.9 | 0 0.00 0.00 . | 2 50.00 100.00 100.00 | 0 0.00 0.00 0.00 | 2 50.00 |
| 30-39.9 | 0 0.00 . . | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 |
| 40+ | 0 0.00 . . | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 |
| Total | 0 0.00 | 2 50.00 | 2 50.00 | 4 100.00 |

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

| Table 20 of BMI by LDLC | | | | |
|--|-----------------------------|-------------------------------|-------------------------------|-------------|
| Controlling for DIABETES=Has DM AGE=76-85 SEX=Female | | | | |
| BMI(Body Mass Index (kg/m**2)) | LDLC(LDL Cholesterol mg/dL) | | | |
| | Normal | Elevated | Yikes | Total |
| 0-18.4 | 0 0.00 . . | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 |
| 18.5-24.9 | 0 0.00 0.00 . | 2 25.00 66.67 100.00 | 1 12.50 33.33 16.67 | 3 37.50 |
| 25-29.9 | 0 0.00 0.00 . | 0 0.00 0.00 0.00 | 5 62.50 100.00 83.33 | 5 62.50 |
| 30-39.9 | 0 0.00 . . | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 |
| 40+ | 0 0.00 . . | 0 0.00 . 0.00 | 0 0.00 . 0.00 | 0 0.00 |
| Total | 0 0.00 | 2 25.00 | 6 75.00 | 8 100.00 |
| Frequency Missing = 4 | | | | |