

ภาคผนวก ฅ

การวิเคราะห์ถดถอยพหุเพื่อทำนายพฤติกรรมการดื่มแอลกอฮอล์ในรอบ 30 วัน

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Change Statistics | | | | | Durbin-Watson |
|-------|-------|----------|-------------------|----------------------------|-------------------|----------|-----|-----|---------------|---------------|
| | | | | | R Square Change | F Change | df1 | df2 | Sig. F Change | |
| 1 | .203a | .041 | .023 | 3.322 | .041 | 2.228 | 3 | 156 | .087 | |
| 2 | .549b | .301 | .269 | 2.874 | .260 | 14.121 | 4 | 152 | .000 | |
| 3 | .558c | .311 | .260 | 2.891 | .010 | .546 | 4 | 148 | .703 | 2.042 |

ANOVA^d

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|-------|------------|----------------|-----|-------------|-------|-------------------|
| 1 | Regression | 73.765 | 3 | 24.588 | 2.228 | .087 ^a |
| | Residual | 1721.610 | 156 | 11.036 | | |
| | Total | 1795.375 | 159 | | | |
| 2 | Regression | 540.193 | 7 | 77.170 | 9.345 | .000 ^b |
| | Residual | 1255.182 | 152 | 8.258 | | |
| | Total | 1795.375 | 159 | | | |
| 3 | Regression | 558.432 | 11 | 50.767 | 6.074 | .000 ^c |
| | Residual | 1236.943 | 148 | 8.358 | | |
| | Total | 1795.375 | 159 | | | |

a. Predictors: (Constant), income, sex_re, education

b. Predictors: (Constant), income, sex_re, education, peer_risk, fam_risk, com_risk, ind_risk

c. Predictors: (Constant), income, sex_re, education, peer_risk, fam_risk, com_risk, ind_risk, com_pro, ind_pro, fam_pro, peer_pro

ANOVA^d

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|-------|------------|----------------|-----|-------------|-------|-------------------|
| 1 | Regression | 73.765 | 3 | 24.588 | 2.228 | .087 ^a |
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a. Predictors: (Constant), income, sex_re, education

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c. Predictors: (Constant), income, sex_re, education, peer_risk, fam_risk, com_risk, ind_risk, com_pro, ind_pro, fam_pro, peer_pro

d. Dependent Variable: alcohol_30days

Coefficient

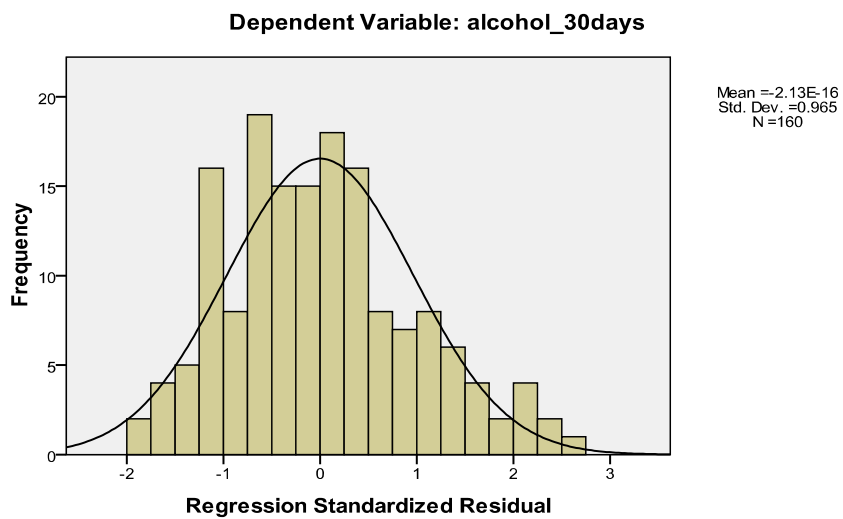
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | | Correlations | | | Collinearity Statistics | |
|----------|------------|-----------------------------|------------|---------------------------|--------|-------|--------------|---------|-------|-------------------------|-------|
| | | B | Std. Error | Beta | | | Zero - order | Partial | Part | Tolerance | VIF |
| | | | | | | | | | | | |
| 1 | (Constant) | 3.362 | 1.331 | | 2.526 | .013 | | | | | |
| | sex_re | 1.198 | .550 | .179 | 2.179 | .031 | .190 | .172 | .171 | .912 | 1.096 |
| | education | -.237 | .329 | -.060 | -.720 | .472 | -.102 | -.058 | -.056 | .895 | 1.117 |
| | income | .207 | .331 | .050 | .626 | .532 | .019 | .050 | .049 | .964 | 1.038 |
| 2 | (Constant) | -2.493 | 1.934 | | -1.289 | .199 | | | | | |
| | sex_re | .545 | .488 | .081 | 1.117 | .266 | .190 | .090 | .076 | .867 | 1.154 |
| | education | .047 | .300 | .012 | .157 | .876 | -.102 | .013 | .011 | .806 | 1.241 |
| | income | .013 | .291 | .003 | .046 | .963 | .019 | .004 | .003 | .931 | 1.074 |
| | ind_risk | .055 | .020 | .251 | 2.811 | .006 | .430 | .222 | .191 | .576 | 1.735 |
| | fam_risk | -.043 | .033 | -.104 | -1.328 | .186 | .154 | -.107 | -.090 | .751 | 1.331 |
| | peer_risk | .161 | .040 | .367 | 4.058 | .000 | .496 | .313 | .275 | .563 | 1.776 |
| com_risk | .026 | .046 | .045 | .558 | .577 | .274 | .045 | .038 | .705 | 1.418 | |
| 3 | (Constant) | -.859 | 3.093 | | -.278 | .782 | | | | | |
| | sex_re | .456 | .510 | .068 | .894 | .373 | .190 | .073 | .061 | .805 | 1.242 |
| | education | .026 | .306 | .007 | .085 | .932 | -.102 | .007 | .006 | .783 | 1.277 |
| | income | -.022 | .300 | -.005 | -.075 | .940 | .019 | -.006 | -.005 | .888 | 1.126 |
| | ind_risk | .056 | .020 | .257 | 2.806 | .006 | .430 | .225 | .191 | .555 | 1.801 |
| | fam_risk | -.043 | .034 | -.103 | -1.259 | .210 | .154 | -.103 | -.086 | .692 | 1.445 |
| | peer_risk | .161 | .041 | .366 | 3.895 | .000 | .496 | .305 | .266 | .527 | 1.897 |
| | com_risk | .007 | .050 | .012 | .134 | .894 | .274 | .011 | .009 | .601 | 1.663 |
| | ind_pro | -.057 | .059 | -.072 | -.958 | .340 | -.198 | -.078 | -.065 | .832 | 1.202 |
| | fam_pro | .020 | .031 | .051 | .646 | .519 | -.133 | .053 | .044 | .736 | 1.359 |
| peer_pro | -.111 | .117 | -.080 | -.942 | .348 | -.111 | -.077 | -.064 | .645 | 1.550 | |
| com_pro | .037 | .064 | .046 | .584 | .560 | .065 | .048 | .040 | .742 | 1.347 | |

Residuals Statistics^a

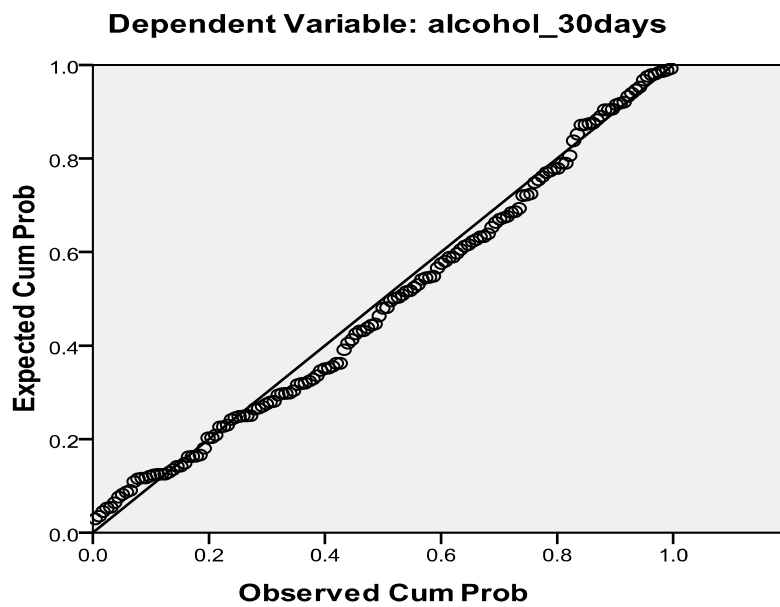
| | Minimum | Maximum | Mean | Std. Deviation | N |
|----------------------|---------|---------|------|----------------|-----|
| Predicted Value | .10 | 8.16 | 3.56 | 1.874 | 160 |
| Residual | -5.491 | 7.300 | .000 | 2.789 | 160 |
| Std. Predicted Value | -1.850 | 2.453 | .000 | 1.000 | 160 |
| Std. Residual | -1.899 | 2.525 | .000 | .965 | 160 |

a. Dependent Variable: alcohol_30days

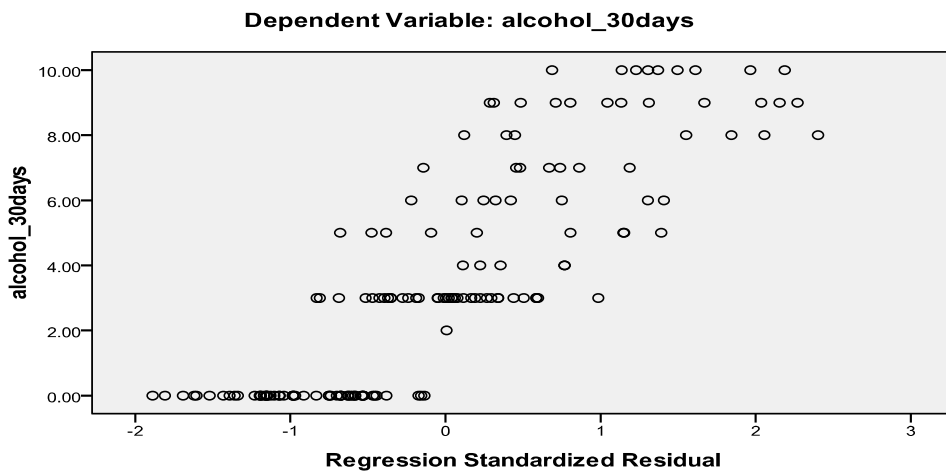
Histogram



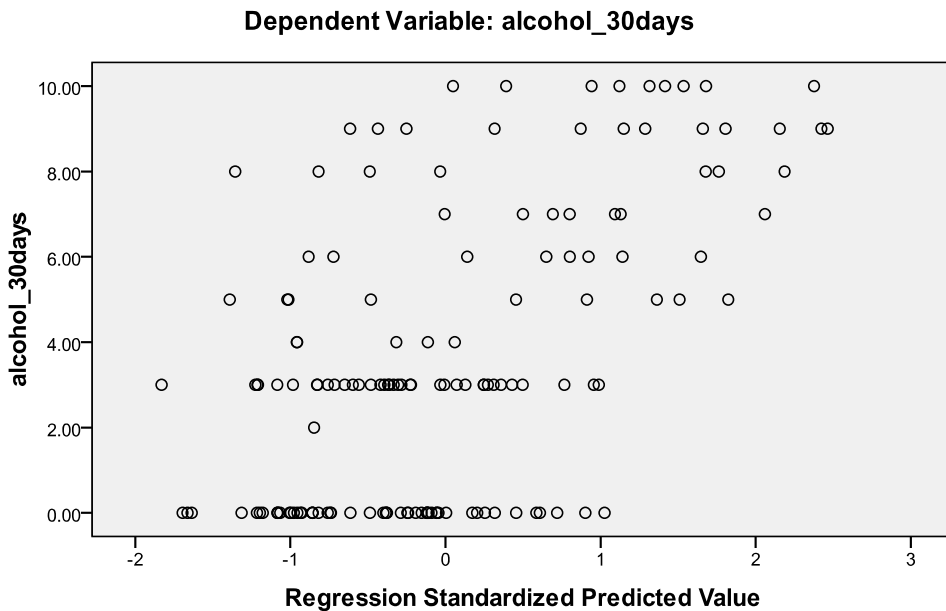
Normal P-P Plot of Regression Standardized Residual



Scatterplot



Scatterplot



การวิเคราะห์ถดถอยพหุเพื่อทำนายพฤติกรรมการดื่มแอลกอฮอล์ในรอบ 3 เดือน

| Model Summary | | | | | | | | | | |
|---------------|-------|----------|-------------------|----------------------------|-------------------|----------|-----|-----|---------------|---------------|
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Change Statistics | | | | | Durbin-Watson |
| | | | | | R Square Change | F Change | df1 | df2 | Sig. F Change | |
| 1 | .166a | .028 | .009 | 3.640 | .028 | 1.482 | 3 | 156 | .222 | |
| 2 | .462b | .213 | .177 | 3.317 | .185 | 8.955 | 4 | 152 | .000 | |
| 3 | .473c | .224 | .166 | 3.339 | .011 | .501 | 4 | 148 | .735 | 2.183 |

ANOVA^d

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|-------|------------|----------------|-----|-------------|-------|-------------------|
| 1 | Regression | 58.919 | 3 | 19.640 | 1.482 | .222 ^a |
| | Residual | 2067.025 | 156 | 13.250 | | |
| | Total | 2125.944 | 159 | | | |
| 2 | Regression | 453.134 | 7 | 64.733 | 5.882 | .000 ^b |
| | Residual | 1672.810 | 152 | 11.005 | | |
| | Total | 2125.944 | 159 | | | |
| 3 | Regression | 475.497 | 11 | 43.227 | 3.876 | .000 ^c |
| | Residual | 1650.447 | 148 | 11.152 | | |
| | Total | 2125.944 | 159 | | | |

a. Predictors: (Constant), income, sex_re, education

b. Predictors: (Constant), income, sex_re, education, peer_risk, fam_risk, com_risk, ind_risk

c. Predictors: (Constant), income, sex_re, education, peer_risk, fam_risk, com_risk, ind_risk, ind_pro, com_pro, fam_pro, peer_pro

d. Dependent Variable: alcohol_3Month

Coefficients

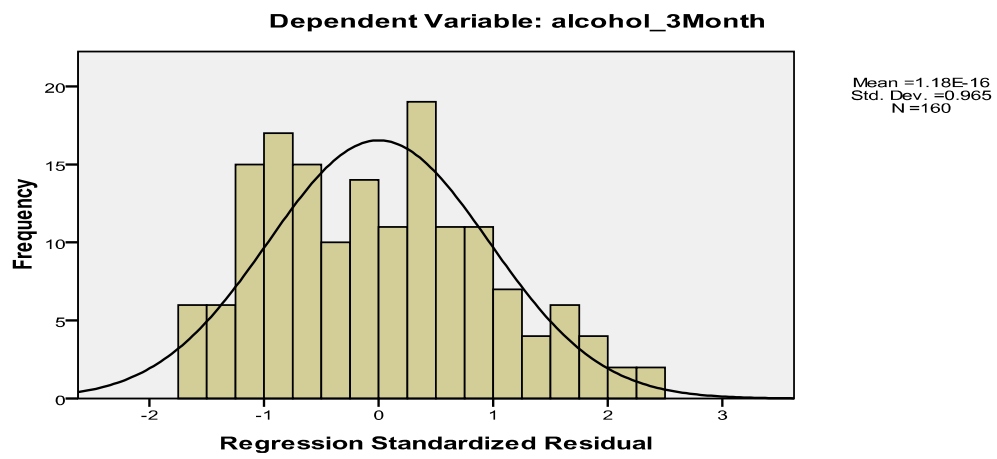
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Correlations | | | Collinearity Statistics | |
|----------|------------|-----------------------------|------------|---------------------------|--------|------|--------------|---------|-------|-------------------------|-------|
| | | B | Std. Error | Beta | | | Zero-order | Partial | Part | Tolerance | VIF |
| 1 | (Constant) | 4.144 | 1.485 | | 2.790 | .006 | | | | | |
| | sex_re | .972 | .600 | .133 | 1.620 | .107 | .146 | .129 | .128 | .920 | 1.087 |
| | education | -.306 | .367 | -.069 | -.833 | .406 | -.096 | -.067 | -.066 | .907 | 1.102 |
| | income | .253 | .362 | .056 | .698 | .486 | .029 | .056 | .055 | .967 | 1.034 |
| 2 | (Constant) | -1.626 | 2.262 | | -.719 | .473 | | | | | |
| | sex_re | .372 | .561 | .051 | .663 | .509 | .146 | .054 | .048 | .874 | 1.144 |
| | education | -.047 | .353 | -.011 | -.134 | .894 | -.096 | -.011 | -.010 | .814 | 1.229 |
| | income | .058 | .336 | .013 | .172 | .863 | .029 | .014 | .012 | .934 | 1.070 |
| | ind_risk | .054 | .023 | .224 | 2.355 | .020 | .367 | .188 | .169 | .570 | 1.753 |
| | fam_risk | -.043 | .038 | -.096 | -1.153 | .251 | .128 | -.093 | -.083 | .752 | 1.329 |
| | peer_risk | .131 | .046 | .274 | 2.855 | .005 | .410 | .226 | .205 | .563 | 1.776 |
| com_risk | .052 | .053 | .084 | .987 | .325 | .260 | .080 | .071 | .709 | 1.410 | |
| 3 | (Constant) | .600 | 3.592 | | .167 | .867 | | | | | |
| | sex_re | .338 | .588 | .046 | .575 | .566 | .146 | .047 | .042 | .806 | 1.241 |
| | education | -.053 | .361 | -.012 | -.146 | .884 | -.096 | -.012 | -.011 | .789 | 1.268 |
| | income | .048 | .346 | .011 | .138 | .890 | .029 | .011 | .010 | .891 | 1.122 |
| | ind_risk | .057 | .023 | .240 | 2.459 | .015 | .367 | .198 | .178 | .551 | 1.816 |
| | fam_risk | -.050 | .040 | -.111 | -1.274 | .205 | .128 | -.104 | -.092 | .693 | 1.444 |
| | peer_risk | .125 | .048 | .261 | 2.613 | .010 | .410 | .210 | .189 | .526 | 1.902 |
| | com_risk | .028 | .058 | .045 | .479 | .632 | .260 | .039 | .035 | .603 | 1.658 |
| | ind_pro | -.039 | .068 | -.046 | -.579 | .564 | -.170 | -.047 | -.042 | .832 | 1.202 |
| | fam_pro | .005 | .036 | .011 | .135 | .893 | -.148 | .011 | .010 | .733 | 1.364 |
| | peer_pro | -.167 | .136 | -.111 | -1.223 | .223 | -.142 | -.100 | -.089 | .638 | 1.566 |
| | com_pro | .037 | .076 | .041 | .485 | .628 | .025 | .040 | .035 | .726 | 1.376 |

Residuals Statistics^a

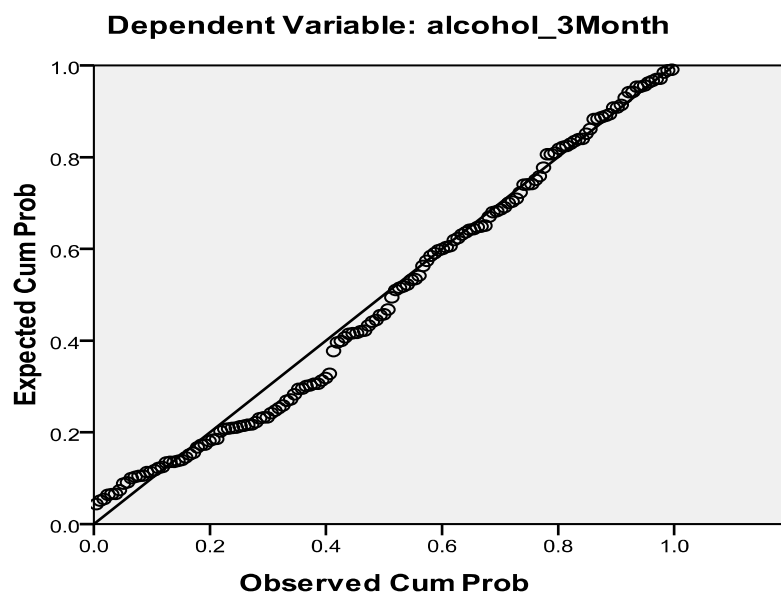
| | Minimum | Maximum | Mean | Std. Deviation | N |
|----------------------|---------|---------|------|----------------|-----|
| Predicted Value | .52 | 8.38 | 4.08 | 1.729 | 160 |
| Residual | -5.792 | 7.827 | .000 | 3.222 | 160 |
| Std. Predicted Value | -2.062 | 2.486 | .000 | 1.000 | 160 |
| Std. Residual | -1.735 | 2.344 | .000 | .965 | 160 |

a. Dependent Variable: alcohol_3Month

Histogram

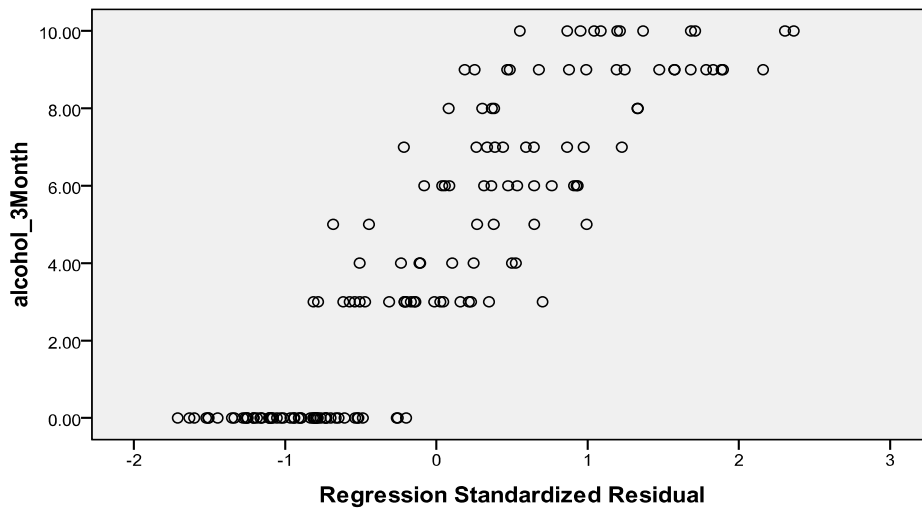


Normal P-P Plot of Regression Standardized Residual



Scatterplot

Dependent Variable: alcohol_3Month



Scatterplot

Dependent Variable: alcohol_3Month

