Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01290

Time: 11:52:36 Log-Likelihood: -31787.

converged: True LL-Null: -32203.

LLR p-value: 4.468e-174

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3332 0.049 -47.560 0.000 -2.429 -2.237

MIN -0.2705 0.023 -11.677 0.000 -0.316 -0.225

Age\_BMI 0.2042 0.010 20.942 0.000 0.185 0.223

Birth\_year -0.0936 0.011 -8.569 0.000 -0.115 -0.072

dapar\_3gr 0.0583 0.011 5.286 0.000 0.037 0.080

Educ\_GE11YN 0.0106 0.011 0.987 0.324 -0.010 0.032

Eshkol\_3gr 0.0975 0.011 8.985 0.000 0.076 0.119

Israeli 0.2997 0.038 7.788 0.000 0.224 0.375

has\_allele 0.1279 0.047 2.699 0.007 0.035 0.221

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:36 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.413e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3271 0.049 -47.481 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.622 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.400 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.050 0.000 0.077 0.119

Israeli 0.2993 0.038 7.778 0.000 0.224 0.375

has\_allele 0.0243 0.073 0.335 0.738 -0.118 0.167

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:37 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 7.782e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3285 0.049 -47.499 0.000 -2.425 -2.232

MIN -0.2703 0.023 -11.668 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.906 0.000 0.185 0.223

Birth\_year -0.0939 0.011 -8.596 0.000 -0.115 -0.073

dapar\_3gr 0.0593 0.011 5.380 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.023 0.000 0.077 0.119

Israeli 0.2997 0.038 7.789 0.000 0.224 0.375

has\_allele 0.0898 0.077 1.159 0.246 -0.062 0.241

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:37 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 8.403e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3282 0.049 -47.498 0.000 -2.424 -2.232

MIN -0.2702 0.023 -11.663 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.903 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.628 0.000 -0.116 -0.073

dapar\_3gr 0.0593 0.011 5.385 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 1.000 0.318 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.033 0.000 0.077 0.119

Israeli 0.2993 0.038 7.780 0.000 0.224 0.375

has\_allele 0.0864 0.079 1.089 0.276 -0.069 0.242

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01285

Time: 11:52:37 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 2.692e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3298 0.049 -47.523 0.000 -2.426 -2.234

MIN -0.2703 0.023 -11.669 0.000 -0.316 -0.225

Age\_BMI 0.2040 0.010 20.918 0.000 0.185 0.223

Birth\_year -0.0937 0.011 -8.576 0.000 -0.115 -0.072

dapar\_3gr 0.0590 0.011 5.357 0.000 0.037 0.081

Educ\_GE11YN 0.0107 0.011 0.992 0.321 -0.010 0.032

Eshkol\_3gr 0.0978 0.011 9.016 0.000 0.077 0.119

Israeli 0.3000 0.038 7.796 0.000 0.225 0.375

has\_allele 0.1465 0.077 1.893 0.058 -0.005 0.298

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:38 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.286e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3270 0.049 -47.492 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.668 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.633 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.417 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.052 0.000 0.077 0.119

Israeli 0.2989 0.038 7.767 0.000 0.224 0.374

has\_allele 0.0437 0.079 0.552 0.581 -0.111 0.199

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01292

Time: 11:52:38 Log-Likelihood: -31787.

converged: True LL-Null: -32203.

LLR p-value: 2.749e-174

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3300 0.049 -47.539 0.000 -2.426 -2.234

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.902 0.000 0.185 0.223

Birth\_year -0.0933 0.011 -8.538 0.000 -0.115 -0.072

dapar\_3gr 0.0598 0.011 5.432 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.056 0.000 0.077 0.119

Israeli 0.2985 0.038 7.757 0.000 0.223 0.374

has\_allele 0.2191 0.075 2.915 0.004 0.072 0.366

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01286

Time: 11:52:38 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 1.832e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3255 0.049 -47.464 0.000 -2.422 -2.229

MIN -0.2702 0.023 -11.661 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.907 0.000 0.185 0.223

Birth\_year -0.0948 0.011 -8.678 0.000 -0.116 -0.073

dapar\_3gr 0.0593 0.011 5.383 0.000 0.038 0.081

Educ\_GE11YN 0.0106 0.011 0.990 0.322 -0.010 0.032

Eshkol\_3gr 0.0978 0.011 9.015 0.000 0.077 0.119

Israeli 0.3012 0.038 7.825 0.000 0.226 0.377

has\_allele -0.1793 0.089 -2.006 0.045 -0.355 -0.004

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:39 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.267e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3275 0.049 -47.484 0.000 -2.424 -2.231

MIN -0.2702 0.023 -11.664 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.902 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.624 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.390 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.035 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.0495 0.085 0.580 0.562 -0.118 0.217

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01299

Time: 11:52:39 Log-Likelihood: -31784.

converged: True LL-Null: -32203.

LLR p-value: 2.487e-175

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3239 0.049 -47.428 0.000 -2.420 -2.228

MIN -0.2704 0.023 -11.670 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.900 0.000 0.185 0.223

Birth\_year -0.0948 0.011 -8.682 0.000 -0.116 -0.073

dapar\_3gr 0.0589 0.011 5.348 0.000 0.037 0.080

Educ\_GE11YN 0.0106 0.011 0.986 0.324 -0.010 0.032

Eshkol\_3gr 0.0977 0.011 9.008 0.000 0.076 0.119

Israeli 0.3015 0.038 7.835 0.000 0.226 0.377

has\_allele -0.3620 0.106 -3.409 0.001 -0.570 -0.154

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:39 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 7.615e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3258 0.049 -47.469 0.000 -2.422 -2.230

MIN -0.2704 0.023 -11.672 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0947 0.011 -8.666 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.397 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.051 0.000 0.077 0.119

Israeli 0.3005 0.038 7.807 0.000 0.225 0.376

has\_allele -0.1034 0.090 -1.149 0.251 -0.280 0.073

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:40 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 8.777e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3271 0.049 -47.496 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.628 0.000 -0.116 -0.073

dapar\_3gr 0.0598 0.011 5.425 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0984 0.011 9.069 0.000 0.077 0.120

Israeli 0.2984 0.038 7.751 0.000 0.223 0.374

has\_allele 0.0914 0.087 1.047 0.295 -0.080 0.263

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:40 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.281e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3259 0.049 -47.457 0.000 -2.422 -2.230

MIN -0.2702 0.023 -11.665 0.000 -0.316 -0.225

Age\_BMI 0.2036 0.010 20.883 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.650 0.000 -0.116 -0.073

dapar\_3gr 0.0598 0.011 5.424 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.999 0.318 -0.010 0.032

Eshkol\_3gr 0.0983 0.011 9.061 0.000 0.077 0.120

Israeli 0.2993 0.038 7.778 0.000 0.224 0.375

has\_allele -0.0545 0.099 -0.552 0.581 -0.248 0.139

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01287

Time: 11:52:40 Log-Likelihood: -31788.

converged: True LL-Null: -32203.

LLR p-value: 1.084e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3321 0.049 -47.538 0.000 -2.428 -2.236

MIN -0.2705 0.023 -11.677 0.000 -0.316 -0.225

Age\_BMI 0.2040 0.010 20.918 0.000 0.185 0.223

Birth\_year -0.0938 0.011 -8.584 0.000 -0.115 -0.072

dapar\_3gr 0.0591 0.011 5.369 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.027 0.000 0.077 0.119

Israeli 0.3026 0.039 7.860 0.000 0.227 0.378

has\_allele 0.2126 0.090 2.361 0.018 0.036 0.389

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:40 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 8.903e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3256 0.049 -47.458 0.000 -2.422 -2.230

MIN -0.2702 0.023 -11.662 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.889 0.000 0.185 0.223

Birth\_year -0.0946 0.011 -8.660 0.000 -0.116 -0.073

dapar\_3gr 0.0599 0.011 5.439 0.000 0.038 0.082

Educ\_GE11YN 0.0107 0.011 1.000 0.317 -0.010 0.032

Eshkol\_3gr 0.0983 0.011 9.065 0.000 0.077 0.120

Israeli 0.2994 0.038 7.780 0.000 0.224 0.375

has\_allele -0.1053 0.105 -1.007 0.314 -0.310 0.100

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:41 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.492e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.488 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.639 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.410 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.053 0.000 0.077 0.119

Israeli 0.2993 0.038 7.777 0.000 0.224 0.375

has\_allele 0.0044 0.094 0.047 0.963 -0.181 0.190

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01283

Time: 11:52:41 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 4.078e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3248 0.049 -47.443 0.000 -2.421 -2.229

MIN -0.2702 0.023 -11.662 0.000 -0.316 -0.225

Age\_BMI 0.2036 0.010 20.880 0.000 0.184 0.223

Birth\_year -0.0946 0.011 -8.665 0.000 -0.116 -0.073

dapar\_3gr 0.0598 0.011 5.430 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0984 0.011 9.071 0.000 0.077 0.120

Israeli 0.2992 0.038 7.775 0.000 0.224 0.375

has\_allele -0.1770 0.112 -1.578 0.115 -0.397 0.043

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:41 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.341e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3261 0.049 -47.464 0.000 -2.422 -2.230

MIN -0.2703 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.891 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.650 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.422 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.999 0.318 -0.010 0.032

Eshkol\_3gr 0.0983 0.011 9.060 0.000 0.077 0.120

Israeli 0.2993 0.038 7.779 0.000 0.224 0.375

has\_allele -0.0503 0.109 -0.463 0.643 -0.263 0.163

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:42 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.485e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.482 0.000 -2.423 -2.230

MIN -0.2703 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.895 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.641 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.412 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2994 0.038 7.782 0.000 0.224 0.375

has\_allele -0.0121 0.110 -0.110 0.912 -0.228 0.203

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:42 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.428e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3267 0.049 -47.490 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.668 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.895 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.638 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.417 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.319 -0.010 0.032

Eshkol\_3gr 0.0983 0.011 9.059 0.000 0.077 0.120

Israeli 0.2991 0.038 7.773 0.000 0.224 0.375

has\_allele 0.0330 0.109 0.303 0.762 -0.181 0.246

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01284

Time: 11:52:42 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 3.710e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3285 0.049 -47.513 0.000 -2.425 -2.232

MIN -0.2702 0.023 -11.664 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.903 0.000 0.185 0.223

Birth\_year -0.0940 0.011 -8.607 0.000 -0.115 -0.073

dapar\_3gr 0.0592 0.011 5.378 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.028 0.000 0.077 0.119

Israeli 0.2995 0.038 7.783 0.000 0.224 0.375

has\_allele 0.1828 0.107 1.715 0.086 -0.026 0.392

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:42 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 8.858e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3262 0.049 -47.480 0.000 -2.422 -2.230

MIN -0.2701 0.023 -11.660 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.899 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.648 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.406 0.000 0.038 0.081

Educ\_GE11YN 0.0108 0.011 1.003 0.316 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.052 0.000 0.077 0.119

Israeli 0.3000 0.038 7.795 0.000 0.225 0.375

has\_allele -0.1176 0.116 -1.010 0.313 -0.346 0.111

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:43 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.370e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.485 0.000 -2.422 -2.230

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.647 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.058 0.000 0.077 0.119

Israeli 0.2997 0.038 7.788 0.000 0.224 0.375

has\_allele -0.0474 0.114 -0.415 0.678 -0.271 0.176

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:43 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 9.413e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3264 0.049 -47.485 0.000 -2.422 -2.230

MIN -0.2701 0.023 -11.660 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.894 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.650 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.405 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.992 0.321 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.043 0.000 0.077 0.119

Israeli 0.3000 0.038 7.797 0.000 0.225 0.375

has\_allele -0.1120 0.118 -0.950 0.342 -0.343 0.119

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01291

Time: 11:52:43 Log-Likelihood: -31787.

converged: True LL-Null: -32203.

LLR p-value: 3.820e-174

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3296 0.049 -47.535 0.000 -2.426 -2.234

MIN -0.2705 0.023 -11.674 0.000 -0.316 -0.225

Age\_BMI 0.2040 0.010 20.920 0.000 0.185 0.223

Birth\_year -0.0940 0.011 -8.608 0.000 -0.115 -0.073

dapar\_3gr 0.0591 0.011 5.360 0.000 0.037 0.081

Educ\_GE11YN 0.0107 0.011 0.993 0.320 -0.010 0.032

Eshkol\_3gr 0.0977 0.011 9.009 0.000 0.076 0.119

Israeli 0.2998 0.038 7.792 0.000 0.224 0.375

has\_allele 0.2976 0.106 2.821 0.005 0.091 0.504

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:44 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.494e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.637 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2994 0.038 7.779 0.000 0.224 0.375

has\_allele 0.0017 0.119 0.014 0.988 -0.231 0.234

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01285

Time: 11:52:44 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 2.402e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3273 0.049 -47.501 0.000 -2.423 -2.231

MIN -0.2700 0.023 -11.654 0.000 -0.315 -0.225

Age\_BMI 0.2037 0.010 20.894 0.000 0.185 0.223

Birth\_year -0.0940 0.011 -8.604 0.000 -0.115 -0.073

dapar\_3gr 0.0596 0.011 5.412 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.031 0.000 0.077 0.119

Israeli 0.2978 0.038 7.738 0.000 0.222 0.373

has\_allele 0.2348 0.119 1.976 0.048 0.002 0.468

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01283

Time: 11:52:44 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 4.695e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3279 0.049 -47.506 0.000 -2.424 -2.232

MIN -0.2704 0.023 -11.670 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.907 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.625 0.000 -0.116 -0.073

dapar\_3gr 0.0589 0.011 5.348 0.000 0.037 0.081

Educ\_GE11YN 0.0107 0.011 0.999 0.318 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.038 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.1850 0.118 1.564 0.118 -0.047 0.417

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01284

Time: 11:52:44 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 3.191e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3247 0.049 -47.440 0.000 -2.421 -2.229

MIN -0.2703 0.023 -11.668 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.886 0.000 0.185 0.223

Birth\_year -0.0947 0.011 -8.668 0.000 -0.116 -0.073

dapar\_3gr 0.0601 0.011 5.454 0.000 0.039 0.082

Educ\_GE11YN 0.0108 0.011 1.007 0.314 -0.010 0.032

Eshkol\_3gr 0.0984 0.011 9.072 0.000 0.077 0.120

Israeli 0.2991 0.038 7.774 0.000 0.224 0.375

has\_allele -0.2302 0.135 -1.707 0.088 -0.494 0.034

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01289

Time: 11:52:45 Log-Likelihood: -31788.

converged: True LL-Null: -32203.

LLR p-value: 7.260e-174

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3254 0.049 -47.463 0.000 -2.421 -2.229

MIN -0.2705 0.023 -11.675 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.902 0.000 0.185 0.223

Birth\_year -0.0947 0.011 -8.675 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.396 0.000 0.038 0.081

Educ\_GE11YN 0.0106 0.011 0.985 0.325 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.044 0.000 0.077 0.119

Israeli 0.3008 0.038 7.818 0.000 0.225 0.376

has\_allele -0.3328 0.141 -2.353 0.019 -0.610 -0.056

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:45 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.407e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3270 0.049 -47.486 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.669 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.898 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.637 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.401 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.051 0.000 0.077 0.119

Israeli 0.2995 0.038 7.784 0.000 0.224 0.375

has\_allele 0.0449 0.129 0.348 0.727 -0.208 0.297

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01285

Time: 11:52:45 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 2.195e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3261 0.049 -47.477 0.000 -2.422 -2.230

MIN -0.2702 0.023 -11.665 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.894 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.638 0.000 -0.116 -0.073

dapar\_3gr 0.0593 0.011 5.384 0.000 0.038 0.081

Educ\_GE11YN 0.0106 0.011 0.986 0.324 -0.010 0.032

Eshkol\_3gr 0.0977 0.011 9.006 0.000 0.076 0.119

Israeli 0.3008 0.038 7.817 0.000 0.225 0.376

has\_allele -0.2631 0.139 -1.893 0.058 -0.535 0.009

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01282

Time: 11:52:46 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 5.724e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3277 0.049 -47.504 0.000 -2.424 -2.232

MIN -0.2704 0.023 -11.672 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.906 0.000 0.185 0.223

Birth\_year -0.0940 0.011 -8.604 0.000 -0.115 -0.073

dapar\_3gr 0.0593 0.011 5.379 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.994 0.320 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.030 0.000 0.077 0.119

Israeli 0.2994 0.038 7.782 0.000 0.224 0.375

has\_allele 0.1772 0.125 1.422 0.155 -0.067 0.421

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01286

Time: 11:52:46 Log-Likelihood: -31788.

converged: True LL-Null: -32203.

LLR p-value: 1.722e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3288 0.049 -47.519 0.000 -2.425 -2.233

MIN -0.2704 0.023 -11.671 0.000 -0.316 -0.225

Age\_BMI 0.2040 0.010 20.919 0.000 0.185 0.223

Birth\_year -0.0940 0.011 -8.611 0.000 -0.115 -0.073

dapar\_3gr 0.0590 0.011 5.357 0.000 0.037 0.081

Educ\_GE11YN 0.0107 0.011 1.000 0.317 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.024 0.000 0.077 0.119

Israeli 0.3000 0.038 7.795 0.000 0.225 0.375

has\_allele 0.2642 0.123 2.157 0.031 0.024 0.504

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:46 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.185e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3270 0.049 -47.494 0.000 -2.423 -2.231

MIN -0.2704 0.023 -11.672 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.899 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.632 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.398 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.046 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.0907 0.131 0.692 0.489 -0.166 0.348

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:46 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.274e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3263 0.049 -47.479 0.000 -2.422 -2.230

MIN -0.2702 0.023 -11.662 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.892 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.651 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.419 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0983 0.011 9.062 0.000 0.077 0.120

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele -0.0794 0.142 -0.561 0.575 -0.357 0.198

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:47 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 7.263e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3281 0.049 -47.502 0.000 -2.424 -2.232

MIN -0.2703 0.023 -11.669 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.903 0.000 0.185 0.223

Birth\_year -0.0941 0.011 -8.612 0.000 -0.115 -0.073

dapar\_3gr 0.0596 0.011 5.409 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.999 0.318 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.051 0.000 0.077 0.119

Israeli 0.3001 0.038 7.797 0.000 0.225 0.375

has\_allele 0.1674 0.136 1.232 0.218 -0.099 0.434

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01284

Time: 11:52:47 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 3.199e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3255 0.049 -47.466 0.000 -2.422 -2.229

MIN -0.2705 0.023 -11.676 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.891 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.657 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.397 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.027 0.000 0.077 0.119

Israeli 0.3001 0.038 7.800 0.000 0.225 0.376

has\_allele -0.2631 0.155 -1.697 0.090 -0.567 0.041

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:47 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.479e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3269 0.049 -47.448 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.638 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2996 0.039 7.781 0.000 0.224 0.375

has\_allele 0.0208 0.145 0.144 0.886 -0.263 0.304

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:48 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.438e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3261 0.049 -47.447 0.000 -2.422 -2.230

MIN -0.2703 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.894 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.645 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.414 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2991 0.038 7.768 0.000 0.224 0.375

has\_allele -0.0407 0.147 -0.276 0.782 -0.329 0.248

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01286

Time: 11:52:48 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 1.929e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3243 0.049 -47.431 0.000 -2.420 -2.228

MIN -0.2704 0.023 -11.672 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.904 0.000 0.185 0.223

Birth\_year -0.0941 0.011 -8.612 0.000 -0.115 -0.073

dapar\_3gr 0.0595 0.011 5.401 0.000 0.038 0.081

Educ\_GE11YN 0.0108 0.011 1.001 0.317 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.039 0.000 0.077 0.119

Israeli 0.2989 0.038 7.768 0.000 0.223 0.374

has\_allele -0.2980 0.153 -1.945 0.052 -0.598 0.002

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01282

Time: 11:52:48 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 6.572e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3280 0.049 -47.503 0.000 -2.424 -2.232

MIN -0.2702 0.023 -11.665 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.905 0.000 0.185 0.223

Birth\_year -0.0940 0.011 -8.604 0.000 -0.115 -0.073

dapar\_3gr 0.0594 0.011 5.395 0.000 0.038 0.081

Educ\_GE11YN 0.0106 0.011 0.990 0.322 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.036 0.000 0.077 0.119

Israeli 0.2998 0.038 7.790 0.000 0.224 0.375

has\_allele 0.1808 0.137 1.316 0.188 -0.088 0.450

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01282

Time: 11:52:48 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 5.368e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3264 0.049 -47.485 0.000 -2.422 -2.230

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.892 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.647 0.000 -0.116 -0.073

dapar\_3gr 0.0593 0.011 5.388 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.999 0.318 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.033 0.000 0.077 0.119

Israeli 0.3005 0.038 7.809 0.000 0.225 0.376

has\_allele -0.2076 0.149 -1.394 0.163 -0.499 0.084

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:49 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 7.432e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3274 0.049 -47.500 0.000 -2.423 -2.231

MIN -0.2704 0.023 -11.671 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.903 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.634 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.393 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.044 0.000 0.077 0.119

Israeli 0.2993 0.038 7.779 0.000 0.224 0.375

has\_allele 0.1618 0.134 1.211 0.226 -0.100 0.424

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01285

Time: 11:52:49 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 2.085e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2700 0.023 -11.653 0.000 -0.315 -0.225

Age\_BMI 0.2037 0.010 20.889 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.652 0.000 -0.116 -0.073

dapar\_3gr 0.0593 0.011 5.384 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.024 0.000 0.077 0.119

Israeli 0.3008 0.038 7.816 0.000 0.225 0.376

has\_allele -0.3018 0.158 -1.907 0.057 -0.612 0.008

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01283

Time: 11:52:49 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 4.099e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3247 0.049 -47.440 0.000 -2.421 -2.229

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2036 0.010 20.882 0.000 0.184 0.223

Birth\_year -0.0947 0.011 -8.675 0.000 -0.116 -0.073

dapar\_3gr 0.0599 0.011 5.441 0.000 0.038 0.082

Educ\_GE11YN 0.0108 0.011 1.004 0.315 -0.010 0.032

Eshkol\_3gr 0.0983 0.011 9.065 0.000 0.077 0.120

Israeli 0.2986 0.038 7.761 0.000 0.223 0.374

has\_allele -0.2595 0.167 -1.556 0.120 -0.586 0.067

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01284

Time: 11:52:50 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 3.097e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3277 0.049 -47.507 0.000 -2.424 -2.232

MIN -0.2704 0.023 -11.673 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.899 0.000 0.185 0.223

Birth\_year -0.0941 0.011 -8.617 0.000 -0.116 -0.073

dapar\_3gr 0.0591 0.011 5.368 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.993 0.321 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.034 0.000 0.077 0.119

Israeli 0.2994 0.038 7.780 0.000 0.224 0.375

has\_allele 0.2679 0.145 1.841 0.066 -0.017 0.553

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:50 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.482e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3267 0.049 -47.487 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.637 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.409 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.051 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.0193 0.152 0.127 0.899 -0.280 0.318

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:50 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.315e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.487 0.000 -2.423 -2.230

MIN -0.2704 0.023 -11.670 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.636 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.415 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.999 0.318 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.049 0.000 0.077 0.119

Israeli 0.2990 0.038 7.768 0.000 0.224 0.374

has\_allele 0.0748 0.146 0.511 0.609 -0.212 0.362

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01283

Time: 11:52:51 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 3.865e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3282 0.049 -47.509 0.000 -2.424 -2.232

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.894 0.000 0.185 0.223

Birth\_year -0.0940 0.011 -8.607 0.000 -0.115 -0.073

dapar\_3gr 0.0594 0.011 5.390 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.038 0.000 0.077 0.119

Israeli 0.2998 0.038 7.790 0.000 0.224 0.375

has\_allele 0.2346 0.138 1.700 0.089 -0.036 0.505

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:51 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 9.037e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.487 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.663 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.900 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.645 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.395 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.039 0.000 0.077 0.119

Israeli 0.3001 0.038 7.798 0.000 0.225 0.376

has\_allele -0.1518 0.154 -0.985 0.325 -0.454 0.150

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:51 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.233e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.487 0.000 -2.423 -2.230

MIN -0.2702 0.023 -11.665 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.644 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.056 0.000 0.077 0.119

Israeli 0.2998 0.038 7.789 0.000 0.224 0.375

has\_allele -0.0991 0.161 -0.614 0.539 -0.416 0.217

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:51 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.332e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3269 0.049 -47.492 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.899 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.637 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.401 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.047 0.000 0.077 0.119

Israeli 0.2994 0.038 7.780 0.000 0.224 0.375

has\_allele 0.0765 0.157 0.486 0.627 -0.232 0.385

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01282

Time: 11:52:52 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 6.561e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3268 0.049 -47.492 0.000 -2.423 -2.231

MIN -0.2700 0.023 -11.656 0.000 -0.315 -0.225

Age\_BMI 0.2038 0.010 20.901 0.000 0.185 0.223

Birth\_year -0.0946 0.011 -8.661 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.397 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.029 0.000 0.077 0.119

Israeli 0.3003 0.038 7.804 0.000 0.225 0.376

has\_allele -0.2015 0.161 -1.251 0.211 -0.517 0.114

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:52 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.449e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.486 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.895 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.643 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.052 0.000 0.077 0.119

Israeli 0.2995 0.038 7.783 0.000 0.224 0.375

has\_allele -0.0388 0.158 -0.246 0.806 -0.349 0.271

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01285

Time: 11:52:52 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 2.588e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3278 0.049 -47.509 0.000 -2.424 -2.232

MIN -0.2705 0.023 -11.677 0.000 -0.316 -0.225

Age\_BMI 0.2039 0.010 20.910 0.000 0.185 0.223

Birth\_year -0.0941 0.011 -8.615 0.000 -0.115 -0.073

dapar\_3gr 0.0593 0.011 5.384 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.033 0.000 0.077 0.119

Israeli 0.2994 0.038 7.782 0.000 0.224 0.375

has\_allele 0.2724 0.140 1.945 0.052 -0.002 0.547

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:53 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.450e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.485 0.000 -2.423 -2.230

MIN -0.2703 0.023 -11.668 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.643 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.055 0.000 0.077 0.119

Israeli 0.2995 0.038 7.784 0.000 0.224 0.375

has\_allele -0.0369 0.152 -0.243 0.808 -0.335 0.261

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:53 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.344e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3263 0.049 -47.481 0.000 -2.422 -2.230

MIN -0.2703 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.894 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.646 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.420 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0983 0.011 9.061 0.000 0.077 0.120

Israeli 0.2994 0.038 7.782 0.000 0.224 0.375

has\_allele -0.0749 0.164 -0.457 0.648 -0.396 0.246

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:53 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.339e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.664 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.898 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.642 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.401 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.048 0.000 0.077 0.119

Israeli 0.2997 0.038 7.788 0.000 0.224 0.375

has\_allele -0.0752 0.162 -0.465 0.642 -0.392 0.242

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:53 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 9.313e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3272 0.049 -47.497 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.669 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.893 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.646 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.422 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0984 0.011 9.070 0.000 0.077 0.120

Israeli 0.2993 0.038 7.779 0.000 0.224 0.375

has\_allele 0.1588 0.159 0.996 0.319 -0.154 0.471

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01284

Time: 11:52:54 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 2.779e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3258 0.049 -47.470 0.000 -2.422 -2.230

MIN -0.2699 0.023 -11.652 0.000 -0.315 -0.225

Age\_BMI 0.2037 0.010 20.891 0.000 0.185 0.223

Birth\_year -0.0946 0.011 -8.665 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.412 0.000 0.038 0.081

Educ\_GE11YN 0.0106 0.011 0.988 0.323 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.056 0.000 0.077 0.119

Israeli 0.2995 0.038 7.783 0.000 0.224 0.375

has\_allele -0.3132 0.178 -1.759 0.079 -0.662 0.036

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01282

Time: 11:52:54 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 6.840e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3257 0.049 -47.467 0.000 -2.422 -2.230

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.889 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.656 0.000 -0.116 -0.073

dapar\_3gr 0.0598 0.011 5.431 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 1.000 0.318 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.058 0.000 0.077 0.119

Israeli 0.2993 0.038 7.780 0.000 0.224 0.375

has\_allele -0.2238 0.184 -1.215 0.224 -0.585 0.137

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01290

Time: 11:52:54 Log-Likelihood: -31787.

converged: True LL-Null: -32203.

LLR p-value: 4.318e-174

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3292 0.049 -47.526 0.000 -2.425 -2.233

MIN -0.2701 0.023 -11.661 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.905 0.000 0.185 0.223

Birth\_year -0.0941 0.011 -8.615 0.000 -0.115 -0.073

dapar\_3gr 0.0592 0.011 5.376 0.000 0.038 0.081

Educ\_GE11YN 0.0108 0.011 1.005 0.315 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.051 0.000 0.077 0.119

Israeli 0.2999 0.038 7.794 0.000 0.224 0.375

has\_allele 0.4039 0.144 2.807 0.005 0.122 0.686

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01283

Time: 11:52:55 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 3.962e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3275 0.049 -47.504 0.000 -2.424 -2.232

MIN -0.2701 0.023 -11.660 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.891 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.647 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.419 0.000 0.038 0.081

Educ\_GE11YN 0.0106 0.011 0.990 0.322 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.056 0.000 0.077 0.119

Israeli 0.2988 0.038 7.765 0.000 0.223 0.374

has\_allele 0.2421 0.144 1.687 0.092 -0.039 0.523

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01282

Time: 11:52:55 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 6.809e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3275 0.049 -47.503 0.000 -2.424 -2.232

MIN -0.2704 0.023 -11.671 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.904 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.630 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.391 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.994 0.320 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.046 0.000 0.077 0.119

Israeli 0.2996 0.038 7.786 0.000 0.224 0.375

has\_allele 0.2068 0.160 1.292 0.196 -0.107 0.520

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01284

Time: 11:52:55 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 3.283e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3256 0.049 -47.467 0.000 -2.422 -2.230

MIN -0.2701 0.023 -11.660 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.893 0.000 0.185 0.223

Birth\_year -0.0946 0.011 -8.661 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.422 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.994 0.320 -0.010 0.032

Eshkol\_3gr 0.0984 0.011 9.073 0.000 0.077 0.120

Israeli 0.2993 0.038 7.779 0.000 0.224 0.375

has\_allele -0.3327 0.200 -1.665 0.096 -0.724 0.059

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:56 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.107e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.487 0.000 -2.423 -2.230

MIN -0.2702 0.023 -11.664 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.646 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.409 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.048 0.000 0.077 0.119

Israeli 0.2998 0.038 7.791 0.000 0.224 0.375

has\_allele -0.1346 0.177 -0.762 0.446 -0.481 0.211

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01289

Time: 11:52:56 Log-Likelihood: -31788.

converged: True LL-Null: -32203.

LLR p-value: 7.391e-174

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3257 0.049 -47.469 0.000 -2.422 -2.230

MIN -0.2704 0.023 -11.671 0.000 -0.316 -0.225

Age\_BMI 0.2036 0.010 20.879 0.000 0.184 0.223

Birth\_year -0.0943 0.011 -8.639 0.000 -0.116 -0.073

dapar\_3gr 0.0591 0.011 5.369 0.000 0.038 0.081

Educ\_GE11YN 0.0108 0.011 1.002 0.316 -0.010 0.032

Eshkol\_3gr 0.0977 0.011 9.009 0.000 0.076 0.119

Israeli 0.3004 0.038 7.807 0.000 0.225 0.376

has\_allele -0.4724 0.206 -2.292 0.022 -0.876 -0.069

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:56 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.160e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3254 0.049 -47.437 0.000 -2.421 -2.229

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.643 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.419 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.999 0.318 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2985 0.038 7.755 0.000 0.223 0.374

has\_allele -0.1339 0.191 -0.701 0.483 -0.508 0.240

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01284

Time: 11:52:56 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 3.669e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.487 0.000 -2.423 -2.231

MIN -0.2701 0.023 -11.660 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.904 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.654 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.390 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.994 0.320 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.031 0.000 0.077 0.119

Israeli 0.3004 0.038 7.806 0.000 0.225 0.376

has\_allele -0.3153 0.196 -1.607 0.108 -0.700 0.069

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:57 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.338e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3272 0.049 -47.485 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.663 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.640 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.418 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.999 0.318 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.056 0.000 0.077 0.119

Israeli 0.2995 0.038 7.785 0.000 0.224 0.375

has\_allele 0.0725 0.152 0.476 0.634 -0.226 0.371

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:57 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.424e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3267 0.049 -47.490 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.665 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.639 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.412 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.053 0.000 0.077 0.119

Israeli 0.2992 0.038 7.775 0.000 0.224 0.375

has\_allele 0.0527 0.169 0.312 0.755 -0.278 0.384

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:52:57 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 8.105e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3263 0.049 -47.483 0.000 -2.422 -2.230

MIN -0.2704 0.023 -11.674 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.898 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.647 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.408 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0983 0.011 9.065 0.000 0.077 0.120

Israeli 0.3001 0.038 7.799 0.000 0.225 0.376

has\_allele -0.2054 0.191 -1.078 0.281 -0.579 0.168

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01300

Time: 11:52:58 Log-Likelihood: -31784.

converged: True LL-Null: -32203.

LLR p-value: 1.747e-175

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3268 0.049 -47.490 0.000 -2.423 -2.231

MIN -0.2705 0.023 -11.677 0.000 -0.316 -0.225

Age\_BMI 0.2034 0.010 20.864 0.000 0.184 0.223

Birth\_year -0.0943 0.011 -8.633 0.000 -0.116 -0.073

dapar\_3gr 0.0599 0.011 5.439 0.000 0.038 0.082

Educ\_GE11YN 0.0112 0.011 1.042 0.297 -0.010 0.032

Eshkol\_3gr 0.0987 0.011 9.104 0.000 0.077 0.120

Israeli 0.2969 0.038 7.713 0.000 0.221 0.372

has\_allele 0.5287 0.135 3.925 0.000 0.265 0.793

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:58 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.100e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.486 0.000 -2.423 -2.230

MIN -0.2700 0.023 -11.656 0.000 -0.315 -0.225

Age\_BMI 0.2037 0.010 20.895 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.655 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.423 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.999 0.318 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.058 0.000 0.077 0.119

Israeli 0.2994 0.038 7.782 0.000 0.224 0.375

has\_allele -0.1572 0.205 -0.768 0.443 -0.559 0.244

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:58 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.454e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3268 0.049 -47.485 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.895 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.639 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.408 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2995 0.038 7.783 0.000 0.224 0.375

has\_allele 0.0446 0.190 0.235 0.814 -0.327 0.416

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:52:58 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.129e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3273 0.049 -47.495 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.662 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.903 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.635 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.403 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.999 0.318 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.045 0.000 0.077 0.119

Israeli 0.2995 0.038 7.785 0.000 0.224 0.375

has\_allele 0.1456 0.190 0.766 0.444 -0.227 0.518

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:59 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.346e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3269 0.049 -47.490 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.639 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.408 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.050 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.0803 0.174 0.462 0.644 -0.260 0.421

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:59 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.484e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.638 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2994 0.038 7.780 0.000 0.224 0.375

has\_allele 0.0207 0.181 0.115 0.909 -0.333 0.375

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:52:59 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.476e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3267 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.637 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.409 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.052 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.0298 0.189 0.158 0.875 -0.341 0.400

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01285

Time: 11:53:00 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 2.432e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3281 0.049 -47.511 0.000 -2.424 -2.232

MIN -0.2702 0.023 -11.664 0.000 -0.316 -0.225

Age\_BMI 0.2036 0.010 20.886 0.000 0.185 0.223

Birth\_year -0.0946 0.011 -8.663 0.000 -0.116 -0.073

dapar\_3gr 0.0593 0.011 5.385 0.000 0.038 0.081

Educ\_GE11YN 0.0106 0.011 0.990 0.322 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.031 0.000 0.077 0.119

Israeli 0.2996 0.038 7.787 0.000 0.224 0.375

has\_allele 0.3474 0.174 1.997 0.046 0.006 0.688

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:00 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.491e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3267 0.049 -47.486 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.639 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.0115 0.181 0.064 0.949 -0.343 0.366

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:00 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.335e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.665 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.644 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.412 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.058 0.000 0.077 0.119

Israeli 0.2996 0.038 7.787 0.000 0.224 0.375

has\_allele -0.0947 0.202 -0.470 0.639 -0.490 0.301

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:00 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.093e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3263 0.049 -47.481 0.000 -2.422 -2.230

MIN -0.2704 0.023 -11.670 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.649 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.408 0.000 0.038 0.081

Educ\_GE11YN 0.0108 0.011 1.002 0.316 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.056 0.000 0.077 0.119

Israeli 0.2996 0.038 7.787 0.000 0.224 0.375

has\_allele -0.1654 0.213 -0.775 0.438 -0.584 0.253

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01282

Time: 11:53:01 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 6.740e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3264 0.049 -47.485 0.000 -2.422 -2.230

MIN -0.2702 0.023 -11.662 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.899 0.000 0.185 0.223

Birth\_year -0.0946 0.011 -8.660 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.403 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 1.000 0.317 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.049 0.000 0.077 0.119

Israeli 0.2998 0.038 7.792 0.000 0.224 0.375

has\_allele -0.2496 0.204 -1.222 0.222 -0.650 0.151

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01286

Time: 11:53:01 Log-Likelihood: -31788.

converged: True LL-Null: -32203.

LLR p-value: 1.462e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3262 0.049 -47.479 0.000 -2.422 -2.230

MIN -0.2703 0.023 -11.669 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.900 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.654 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.415 0.000 0.038 0.081

Educ\_GE11YN 0.0105 0.011 0.978 0.328 -0.011 0.032

Eshkol\_3gr 0.0981 0.011 9.043 0.000 0.077 0.119

Israeli 0.3005 0.038 7.809 0.000 0.225 0.376

has\_allele -0.4374 0.216 -2.029 0.043 -0.860 -0.015

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01283

Time: 11:53:01 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 4.009e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.669 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.903 0.000 0.185 0.223

Birth\_year -0.0946 0.011 -8.659 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.400 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.039 0.000 0.077 0.119

Israeli 0.3005 0.038 7.808 0.000 0.225 0.376

has\_allele -0.3505 0.226 -1.547 0.122 -0.794 0.093

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:53:02 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 9.599e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3269 0.049 -47.494 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.664 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.639 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.421 0.000 0.038 0.081

Educ\_GE11YN 0.0108 0.011 1.007 0.314 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.060 0.000 0.077 0.119

Israeli 0.2990 0.038 7.770 0.000 0.224 0.374

has\_allele 0.1781 0.184 0.966 0.334 -0.183 0.539

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:02 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.483e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3267 0.049 -47.488 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.639 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.410 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.052 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.0239 0.196 0.122 0.903 -0.360 0.407

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01283

Time: 11:53:02 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 4.974e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3262 0.049 -47.482 0.000 -2.422 -2.230

MIN -0.2702 0.023 -11.663 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.900 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.629 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.401 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.993 0.321 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.046 0.000 0.077 0.119

Israeli 0.2998 0.038 7.792 0.000 0.224 0.375

has\_allele -0.3286 0.232 -1.419 0.156 -0.783 0.125

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:02 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.494e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.485 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.641 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.0015 0.202 0.008 0.994 -0.395 0.398

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01282

Time: 11:53:03 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 5.134e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3275 0.049 -47.501 0.000 -2.423 -2.231

MIN -0.2704 0.023 -11.672 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.906 0.000 0.185 0.223

Birth\_year -0.0939 0.011 -8.598 0.000 -0.115 -0.073

dapar\_3gr 0.0594 0.011 5.395 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.037 0.000 0.077 0.119

Israeli 0.2995 0.038 7.784 0.000 0.224 0.375

has\_allele 0.2625 0.173 1.516 0.129 -0.077 0.602

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:53:03 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 7.829e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3272 0.049 -47.499 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.901 0.000 0.185 0.223

Birth\_year -0.0941 0.011 -8.617 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.394 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.051 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.2370 0.202 1.176 0.240 -0.158 0.632

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:53:03 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 8.074e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3277 0.049 -47.500 0.000 -2.424 -2.232

MIN -0.2702 0.023 -11.665 0.000 -0.316 -0.225

Age\_BMI 0.2036 0.010 20.887 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.655 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.421 0.000 0.038 0.081

Educ\_GE11YN 0.0108 0.011 1.003 0.316 -0.010 0.032

Eshkol\_3gr 0.0983 0.011 9.065 0.000 0.077 0.120

Israeli 0.2998 0.038 7.791 0.000 0.224 0.375

has\_allele 0.2022 0.177 1.143 0.253 -0.145 0.549

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01282

Time: 11:53:04 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 6.259e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3262 0.049 -47.480 0.000 -2.422 -2.230

MIN -0.2705 0.023 -11.675 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.888 0.000 0.185 0.223

Birth\_year -0.0946 0.011 -8.660 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.402 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.047 0.000 0.077 0.119

Israeli 0.3000 0.038 7.796 0.000 0.225 0.375

has\_allele -0.2945 0.232 -1.269 0.205 -0.749 0.160

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01288

Time: 11:53:04 Log-Likelihood: -31788.

converged: True LL-Null: -32203.

LLR p-value: 8.313e-174

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3257 0.049 -47.471 0.000 -2.422 -2.230

MIN -0.2705 0.023 -11.674 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.895 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.644 0.000 -0.116 -0.073

dapar\_3gr 0.0593 0.011 5.384 0.000 0.038 0.081

Educ\_GE11YN 0.0106 0.011 0.990 0.322 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.023 0.000 0.077 0.119

Israeli 0.3003 0.038 7.805 0.000 0.225 0.376

has\_allele -0.5263 0.236 -2.228 0.026 -0.989 -0.063

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01285

Time: 11:53:04 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 2.367e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3287 0.049 -47.520 0.000 -2.425 -2.233

MIN -0.2699 0.023 -11.652 0.000 -0.315 -0.225

Age\_BMI 0.2039 0.010 20.913 0.000 0.185 0.223

Birth\_year -0.0940 0.011 -8.611 0.000 -0.115 -0.073

dapar\_3gr 0.0592 0.011 5.377 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.046 0.000 0.077 0.119

Israeli 0.3000 0.038 7.796 0.000 0.225 0.375

has\_allele 0.3773 0.187 2.018 0.044 0.011 0.744

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:05 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.440e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.486 0.000 -2.423 -2.230

MIN -0.2703 0.023 -11.668 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.895 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.644 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.052 0.000 0.077 0.119

Israeli 0.2995 0.038 7.783 0.000 0.224 0.375

has\_allele -0.0553 0.205 -0.269 0.788 -0.458 0.347

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:05 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.494e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.488 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.641 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele -0.0034 0.220 -0.015 0.988 -0.434 0.427

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:53:05 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 7.577e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3269 0.049 -47.495 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.670 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.894 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.626 0.000 -0.116 -0.073

dapar\_3gr 0.0598 0.011 5.428 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0983 0.011 9.062 0.000 0.077 0.120

Israeli 0.2991 0.038 7.773 0.000 0.224 0.375

has\_allele 0.2160 0.180 1.202 0.229 -0.136 0.568

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:05 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.275e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.487 0.000 -2.423 -2.230

MIN -0.2703 0.023 -11.668 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.898 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.644 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.407 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2997 0.038 7.788 0.000 0.224 0.375

has\_allele -0.1212 0.218 -0.556 0.579 -0.549 0.306

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:06 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.494e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.641 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2994 0.038 7.780 0.000 0.224 0.375

has\_allele -0.0016 0.183 -0.009 0.993 -0.360 0.357

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:06 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.201e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3268 0.049 -47.493 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.669 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.898 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.637 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.400 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.047 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.1430 0.212 0.676 0.499 -0.272 0.558

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01282

Time: 11:53:06 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 6.158e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3275 0.049 -47.502 0.000 -2.423 -2.231

MIN -0.2701 0.023 -11.660 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.899 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.630 0.000 -0.116 -0.073

dapar\_3gr 0.0598 0.011 5.427 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 1.000 0.317 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.060 0.000 0.077 0.119

Israeli 0.2992 0.038 7.775 0.000 0.224 0.375

has\_allele 0.2444 0.177 1.379 0.168 -0.103 0.592

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:07 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.334e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3265 0.049 -47.488 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.895 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.643 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.408 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.053 0.000 0.077 0.119

Israeli 0.2996 0.038 7.786 0.000 0.224 0.375

has\_allele -0.0965 0.205 -0.471 0.638 -0.498 0.305

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:07 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.434e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3267 0.049 -47.490 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.638 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.405 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.051 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele 0.0609 0.211 0.288 0.773 -0.353 0.475

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:07 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.357e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3269 0.049 -47.491 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.664 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.633 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.405 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.050 0.000 0.077 0.119

Israeli 0.2993 0.038 7.779 0.000 0.224 0.375

has\_allele 0.0875 0.196 0.445 0.656 -0.298 0.473

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:07 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.357e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3269 0.049 -47.490 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.898 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.635 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.405 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.049 0.000 0.077 0.119

Israeli 0.2995 0.038 7.783 0.000 0.224 0.375

has\_allele 0.0924 0.207 0.446 0.656 -0.314 0.498

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:08 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.319e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3268 0.049 -47.491 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.661 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.626 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.413 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.049 0.000 0.077 0.119

Israeli 0.2991 0.038 7.772 0.000 0.224 0.374

has\_allele 0.0983 0.194 0.507 0.612 -0.281 0.478

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:08 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 9.835e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3271 0.049 -47.496 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.664 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.901 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.632 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.403 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.994 0.320 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.045 0.000 0.077 0.119

Israeli 0.2993 0.038 7.780 0.000 0.224 0.375

has\_allele 0.1921 0.204 0.941 0.347 -0.208 0.592

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01283

Time: 11:53:08 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 4.741e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2701 0.023 -11.661 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.899 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.657 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.394 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.3001 0.038 7.799 0.000 0.225 0.376

has\_allele -0.3439 0.238 -1.446 0.148 -0.810 0.122

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:53:09 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 8.374e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3273 0.049 -47.499 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.669 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.894 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.621 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.398 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.994 0.320 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.048 0.000 0.077 0.119

Israeli 0.2996 0.038 7.787 0.000 0.224 0.375

has\_allele 0.2239 0.202 1.111 0.267 -0.171 0.619

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01282

Time: 11:53:09 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 6.143e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3280 0.049 -47.504 0.000 -2.424 -2.232

MIN -0.2702 0.023 -11.662 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.889 0.000 0.185 0.223

Birth\_year -0.0947 0.011 -8.669 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.419 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.999 0.318 -0.010 0.032

Eshkol\_3gr 0.0983 0.011 9.065 0.000 0.077 0.120

Israeli 0.2997 0.038 7.789 0.000 0.224 0.375

has\_allele 0.2375 0.172 1.380 0.168 -0.100 0.575

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01288

Time: 11:53:09 Log-Likelihood: -31788.

converged: True LL-Null: -32203.

LLR p-value: 7.874e-174

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3267 0.049 -47.487 0.000 -2.423 -2.231

MIN -0.2704 0.023 -11.672 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.894 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.633 0.000 -0.116 -0.073

dapar\_3gr 0.0598 0.011 5.428 0.000 0.038 0.081

Educ\_GE11YN 0.0110 0.011 1.019 0.308 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.029 0.000 0.077 0.119

Israeli 0.2981 0.038 7.746 0.000 0.223 0.374

has\_allele 0.4629 0.180 2.575 0.010 0.111 0.815

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:09 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.465e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.490 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.640 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.412 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.052 0.000 0.077 0.119

Israeli 0.2993 0.038 7.778 0.000 0.224 0.375

has\_allele 0.0456 0.229 0.199 0.843 -0.404 0.495

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:10 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.398e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3264 0.049 -47.484 0.000 -2.422 -2.230

MIN -0.2702 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.894 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.645 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.412 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.056 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele -0.0823 0.228 -0.361 0.718 -0.530 0.365

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:10 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.055e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3262 0.049 -47.480 0.000 -2.422 -2.230

MIN -0.2704 0.023 -11.673 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.642 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.407 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.050 0.000 0.077 0.119

Israeli 0.2997 0.038 7.789 0.000 0.224 0.375

has\_allele -0.1857 0.228 -0.816 0.415 -0.632 0.261

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:10 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.281e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3271 0.049 -47.491 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.664 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.900 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.635 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.401 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.050 0.000 0.077 0.119

Israeli 0.2995 0.038 7.783 0.000 0.224 0.375

has\_allele 0.1194 0.211 0.565 0.572 -0.295 0.534

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:11 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.313e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3261 0.049 -47.471 0.000 -2.422 -2.230

MIN -0.2704 0.023 -11.670 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.900 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.641 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.405 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.057 0.000 0.077 0.119

Israeli 0.2993 0.038 7.778 0.000 0.224 0.375

has\_allele -0.1206 0.241 -0.501 0.616 -0.592 0.351

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01283

Time: 11:53:11 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 4.073e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3276 0.049 -47.505 0.000 -2.424 -2.232

MIN -0.2704 0.023 -11.672 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.898 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.625 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.393 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.034 0.000 0.077 0.119

Israeli 0.2998 0.038 7.792 0.000 0.224 0.375

has\_allele 0.3421 0.203 1.688 0.091 -0.055 0.739

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:11 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.093e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.665 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.899 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.653 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.415 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.047 0.000 0.077 0.119

Israeli 0.2999 0.038 7.793 0.000 0.224 0.375

has\_allele -0.1655 0.213 -0.776 0.438 -0.584 0.253

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01284

Time: 11:53:11 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 3.290e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.490 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.664 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.890 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.655 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.390 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.993 0.321 -0.010 0.032

Eshkol\_3gr 0.0980 0.011 9.035 0.000 0.077 0.119

Israeli 0.3004 0.038 7.805 0.000 0.225 0.376

has\_allele -0.4231 0.258 -1.640 0.101 -0.929 0.083

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:12 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.162e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.488 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.665 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.895 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.645 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.404 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.045 0.000 0.077 0.119

Israeli 0.2997 0.038 7.789 0.000 0.224 0.375

has\_allele -0.1621 0.233 -0.696 0.487 -0.619 0.295

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:12 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.475e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3268 0.049 -47.484 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.640 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.055 0.000 0.077 0.119

Israeli 0.2995 0.038 7.782 0.000 0.224 0.375

has\_allele 0.0363 0.229 0.159 0.874 -0.412 0.485

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:12 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.480e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.666 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.641 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.413 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.055 0.000 0.077 0.119

Israeli 0.2993 0.038 7.779 0.000 0.224 0.375

has\_allele 0.0309 0.223 0.138 0.890 -0.407 0.469

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:13 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.455e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3268 0.049 -47.487 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.638 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.409 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.996 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.052 0.000 0.077 0.119

Israeli 0.2995 0.038 7.783 0.000 0.224 0.375

has\_allele 0.0501 0.215 0.233 0.816 -0.372 0.472

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:53:13 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 7.200e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3287 0.049 -47.496 0.000 -2.425 -2.233

MIN -0.2703 0.023 -11.669 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.890 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.643 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.414 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.995 0.320 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.050 0.000 0.077 0.119

Israeli 0.3011 0.039 7.819 0.000 0.226 0.377

has\_allele 0.2736 0.218 1.255 0.209 -0.154 0.701

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01283

Time: 11:53:13 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 4.564e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3264 0.049 -47.485 0.000 -2.422 -2.230

MIN -0.2704 0.023 -11.671 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.900 0.000 0.185 0.223

Birth\_year -0.0945 0.011 -8.654 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.407 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.993 0.321 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.053 0.000 0.077 0.119

Israeli 0.3002 0.038 7.801 0.000 0.225 0.376

has\_allele -0.3790 0.259 -1.463 0.144 -0.887 0.129

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01285

Time: 11:53:13 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 2.287e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3269 0.049 -47.493 0.000 -2.423 -2.231

MIN -0.2701 0.023 -11.659 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.895 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.628 0.000 -0.116 -0.073

dapar\_3gr 0.0597 0.011 5.417 0.000 0.038 0.081

Educ\_GE11YN 0.0108 0.011 1.000 0.317 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.056 0.000 0.077 0.119

Israeli 0.2983 0.038 7.752 0.000 0.223 0.374

has\_allele 0.3938 0.193 2.041 0.041 0.016 0.772

===============================================================================

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:14 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.093e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.488 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.665 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.898 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.647 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.405 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.050 0.000 0.077 0.119

Israeli 0.2997 0.038 7.790 0.000 0.224 0.375

has\_allele -0.1721 0.222 -0.774 0.439 -0.608 0.264

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01284

Time: 11:53:14 Log-Likelihood: -31789.

converged: True LL-Null: -32203.

LLR p-value: 2.835e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3273 0.049 -47.500 0.000 -2.423 -2.231

MIN -0.2704 0.023 -11.672 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.897 0.000 0.185 0.223

Birth\_year -0.0939 0.011 -8.601 0.000 -0.115 -0.073

dapar\_3gr 0.0596 0.011 5.410 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.049 0.000 0.077 0.119

Israeli 0.2993 0.038 7.779 0.000 0.224 0.375

has\_allele 0.3832 0.200 1.917 0.055 -0.008 0.775

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Logit Regression Results

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Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:14 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.414e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3270 0.049 -47.483 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.668 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.898 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.634 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.408 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.053 0.000 0.077 0.119

Israeli 0.2997 0.038 7.787 0.000 0.224 0.375

has\_allele 0.0793 0.236 0.336 0.737 -0.383 0.541

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01281

Time: 11:53:15 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 8.201e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3267 0.049 -47.489 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.661 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.645 0.000 -0.116 -0.073

dapar\_3gr 0.0594 0.011 5.393 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.050 0.000 0.077 0.119

Israeli 0.2999 0.038 7.794 0.000 0.224 0.375

has\_allele -0.2590 0.245 -1.059 0.290 -0.739 0.220

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:15 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.493e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.487 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.641 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.053 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele -0.0060 0.241 -0.025 0.980 -0.478 0.466

===============================================================================

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01279

Time: 11:53:15 Log-Likelihood: -31791.

converged: True LL-Null: -32203.

LLR p-value: 1.494e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3266 0.049 -47.486 0.000 -2.423 -2.231

MIN -0.2703 0.023 -11.667 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0944 0.011 -8.641 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0982 0.011 9.054 0.000 0.077 0.119

Israeli 0.2994 0.038 7.781 0.000 0.224 0.375

has\_allele -0.0031 0.235 -0.013 0.990 -0.464 0.458

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01287

Time: 11:53:16 Log-Likelihood: -31788.

converged: True LL-Null: -32203.

LLR p-value: 1.398e-173

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3244 0.049 -47.435 0.000 -2.420 -2.228

MIN -0.2701 0.023 -11.659 0.000 -0.316 -0.225

Age\_BMI 0.2038 0.010 20.898 0.000 0.185 0.223

Birth\_year -0.0942 0.011 -8.631 0.000 -0.116 -0.073

dapar\_3gr 0.0595 0.011 5.398 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.998 0.318 -0.010 0.032

Eshkol\_3gr 0.0979 0.011 9.029 0.000 0.077 0.119

Israeli 0.2982 0.038 7.748 0.000 0.223 0.374

has\_allele -0.4925 0.243 -2.029 0.043 -0.968 -0.017

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Logit Regression Results

==============================================================================

Dep. Variable: has\_disease No. Observations: 112232

Model: Logit Df Residuals: 112223

Method: MLE Df Model: 8

Date: Thu, 28 Apr 2022 Pseudo R-squ.: 0.01280

Time: 11:53:16 Log-Likelihood: -31790.

converged: True LL-Null: -32203.

LLR p-value: 1.141e-172

===============================================================================

coef std err z P |z| [0.025 0.975]

-------------------------------------------------------------------------------

const -2.3269 0.049 -47.494 0.000 -2.423 -2.231

MIN -0.2702 0.023 -11.661 0.000 -0.316 -0.225

Age\_BMI 0.2037 0.010 20.896 0.000 0.185 0.223

Birth\_year -0.0943 0.011 -8.637 0.000 -0.116 -0.073

dapar\_3gr 0.0596 0.011 5.411 0.000 0.038 0.081

Educ\_GE11YN 0.0107 0.011 0.997 0.319 -0.010 0.032

Eshkol\_3gr 0.0981 0.011 9.051 0.000 0.077 0.119

Israeli 0.2991 0.038 7.773 0.000 0.224 0.375

has\_allele 0.1664 0.221 0.752 0.452 -0.267 0.600

===============================================================================

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