

Results

Pochodzenie Etniczne vs Występowanie Choroba

Descriptive Statistics

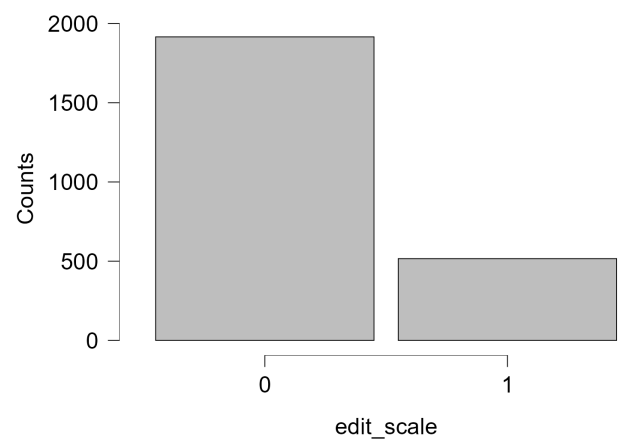
	edit_scale						
	African American or Black	American Indian or Alaskan Native	Asian	Caucasian or White	Multiple	Native Hawaiian or Other Pacific Islander	Unknown, Unavailable or Unreported
Valid	2432	14	232	1844	7	41	210
Missing	0	0	0	0	0	0	0
Mean	0.212	0.000	0.228	0.286	0.571	0.146	0.143
Std. Deviation	0.409	0.000	0.421	0.452	0.535	0.358	0.351
95% CI Std. Dev. Upper	0.421	0.000	0.463	0.467	1.177	0.458	0.388
95% CI Std. Dev. Lower	0.398	0.000	0.386	0.438	0.344	0.294	0.320
Minimum	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maximum	1.000	0.000	1.000	1.000	1.000	1.000	1.000
25th percentile	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50th percentile	0.000	0.000	0.000	0.000	1.000	0.000	0.000
75th percentile	0.000	0.000	0.000	1.000	1.000	0.000	0.000

Note. Excluded 8 rows from the analysis that correspond to the missing values of the split-by variable ETHNICITY\_DESC

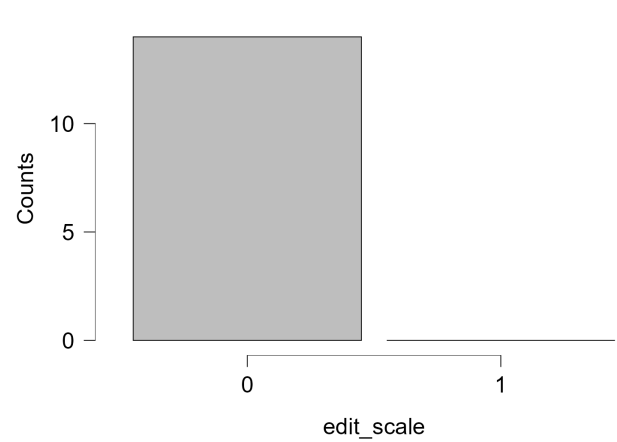


edit\_scale

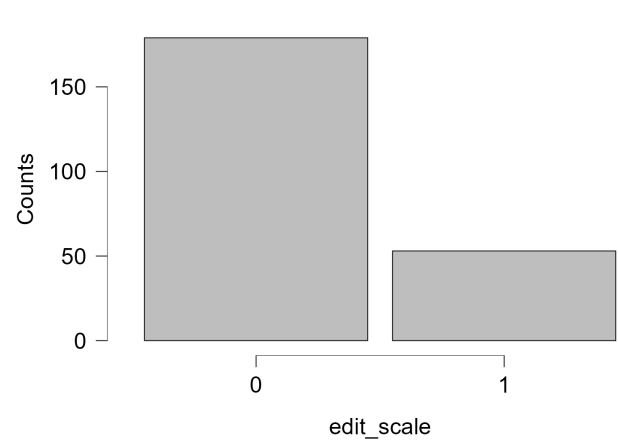
African American or Black



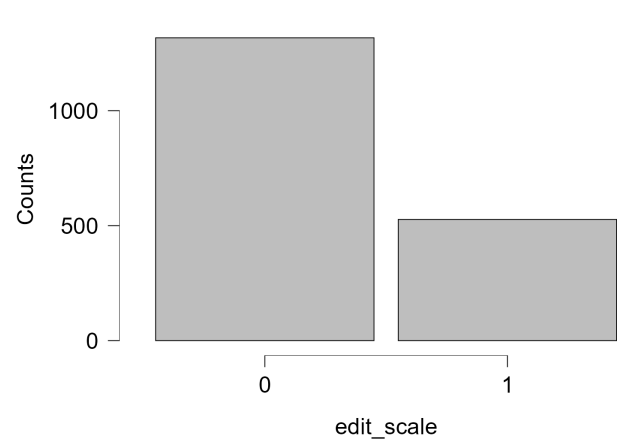
American Indian or Alaskan Native



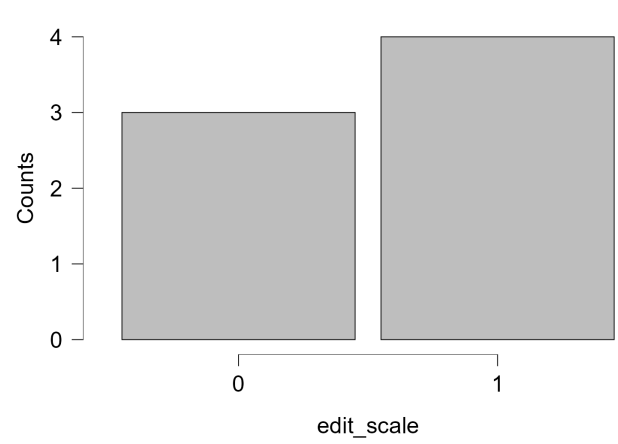
Asian



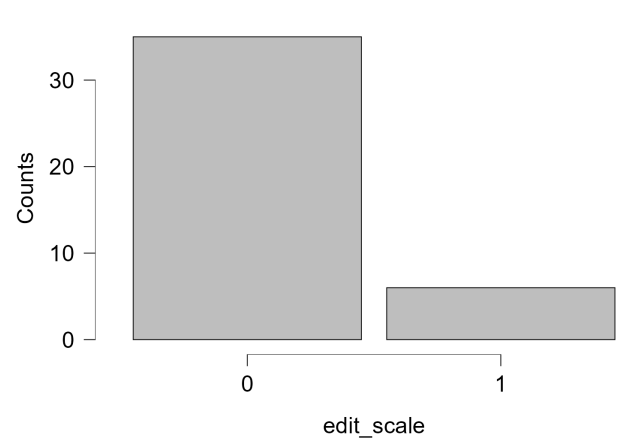
Caucasian or White



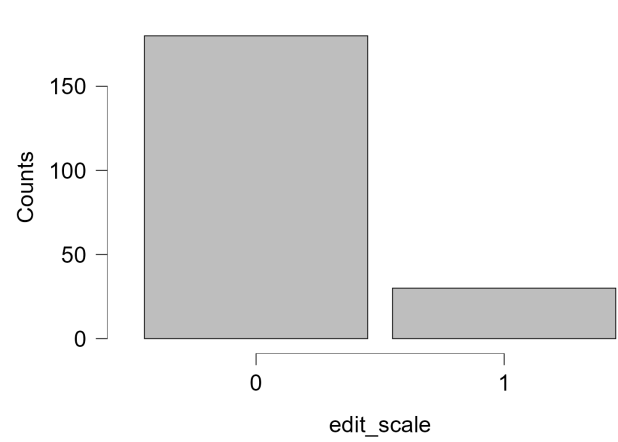
Multiple



Native Hawaiian or Other Pacific Islander



Unknown, Unavailable or Unreported

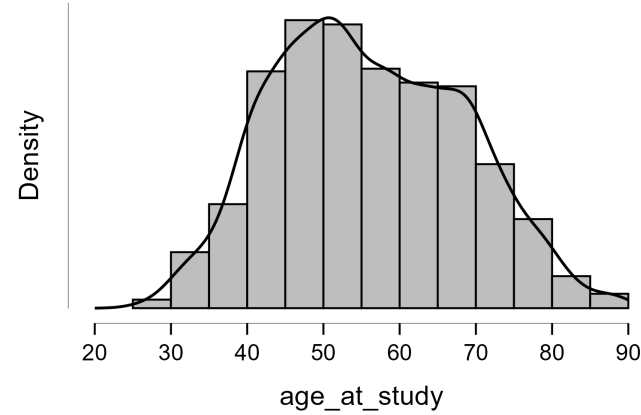


	age_at_study	
	0	1
Valid	3644	1136
Missing	6	2
Mean	55.939	62.230
Std. Deviation	12.374	12.042
95% CI Std. Dev. Upper	12.665	12.558
95% CI Std. Dev. Lower	12.096	11.566
Minimum	25.438	28.028
Maximum	89.000	89.000
25th percentile	46.344	53.428
50th percentile	54.870	62.498
75th percentile	65.382	71.730

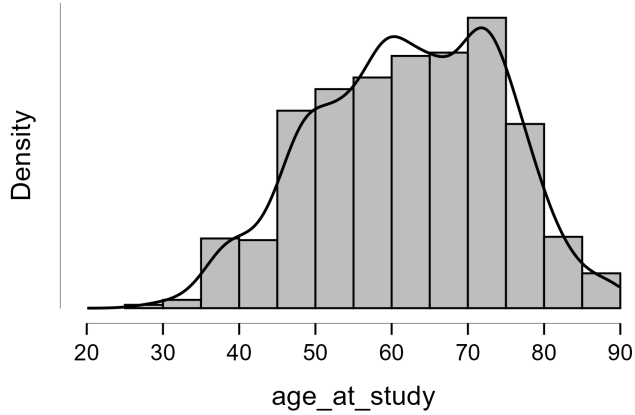
Distribution Plots

age\_at\_study

0



1



Chi kwadrat - Test zależności między etnicznością a chorobą

ETHNICITY_DESC		edit_scale		Total
		0	1	
African American or Black	Count	1916.000	516.000	2432.000
	Unstandardized residuals	61.982	-61.982	
	Pearson residuals	1.439	-2.578	
	Standardized residuals	4.213	-4.213	
American Indian or Alaskan Native	Count	14.000	0.000	14.000
	Unstandardized residuals	3.327	-3.327	
	Pearson residuals	1.018	-1.824	
	Standardized residuals	2.092	-2.092	
Asian	Count	179.000	53.000	232.000
	Unstandardized residuals	2.136	-2.136	
	Pearson residuals	0.161	-0.288	
	Standardized residuals	0.338	-0.338	
Caucasian or White	Count	1317.000	527.000	1844.000
	Unstandardized residuals	-88.761	88.761	
	Pearson residuals	-2.367	4.240	
	Standardized residuals	-6.196	6.196	
Multiple	Count	3.000	4.000	7.000
	Unstandardized residuals	-2.336	2.336	
	Pearson residuals	-1.011	1.811	
	Standardized residuals	-2.076	2.076	
Native Hawaiian or Other Pacific Islander	Count	35.000	6.000	41.000
	Unstandardized residuals	3.744	-3.744	
	Pearson residuals	0.670	-1.199	
	Standardized residuals	1.380	-1.380	
Unknown, Unavailable or Unreported	Count	180.000	30.000	210.000
	Unstandardized residuals	19.908	-19.908	
	Pearson residuals	1.573	-2.818	
	Standardized residuals	3.301	-3.301	
Total	Count	3644.000	1136.000	4780.000

Chi-Squared Tests

	Value	df	p
X <sup>2</sup>	53.382	6	< .001
X <sup>2</sup> continuity correction			
N	4780		

Note. Continuity correction is available only for 2x2 tables.

Nominal

Value <sup>a</sup>	
Phi-coefficient	NaN
Cramer's V	0.106

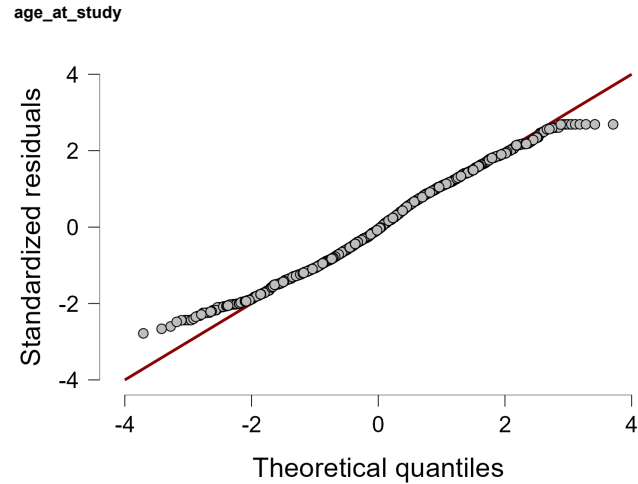
<sup>a</sup> Phi coefficient is only available for 2 by 2 contingency Tables

Korelacja Wiek - Wystepowanie choroby

	Test	Statistic	df	p
age_at_study	Student	-15.056	4778.000	< .001
	Welch	-15.273	1939.722	< .001
	Mann-Whitney	1.472×10 <sup>+6</sup>		< .001

Assumption Checks

Q-Q Plots



Logiczna Regresja

Model Summary - edit\_scale

Model	Deviance	AIC	BIC	df	ΔX²	p	McFadden R²	Nagelkerke R²	Tjur R²	Cox & Snell R²
M <sub>0</sub>	5242.360	5244.360	5250.832	4779			0.000		0.000	
M <sub>1</sub>	5022.903	5026.903	5039.847	4778	219.457	< .001	0.042	0.067	0.046	0.045
M <sub>2</sub>	4997.920	5013.920	5065.697	4772	24.983	< .001	0.047	0.075	0.051	0.050

Note. M<sub>1</sub> includes age\_at\_study  
Note. M<sub>2</sub> includes age\_at\_study, ETHNICITY\_DESC

Coefficients

Model		Estimate	Standard Error	z	Wald Test		
					Wald Statistic	df	p
M <sub>0</sub>	(Intercept)	-1.166	0.034	-34.301	1176.536	1	< .001
M <sub>1</sub>	(Intercept)	-3.589	0.176	-20.351	414.169	1	< .001
	age_at_study	0.041	0.003	14.387	206.985	1	< .001
M <sub>2</sub>	(Intercept)	-3.583	0.182	-19.707	388.376	1	< .001
	age_at_study	0.039	0.003	13.343	178.033	1	< .001
	ETHNICITY_DESC (American Indian or Alaskan Native)	-12.897	231.273	-0.056	0.003	1	0.956
	ETHNICITY_DESC (Asian)	0.219	0.167	1.308	1.712	1	0.191
	ETHNICITY_DESC (Caucasian or White)	0.270	0.074	3.672	13.485	1	< .001
	ETHNICITY_DESC (Multiple)	1.633	0.798	2.046	4.184	1	0.041
	ETHNICITY_DESC (Native Hawaiian or Other Pacific Islander)	-0.087	0.451	-0.192	0.037	1	0.848
	ETHNICITY_DESC (Unknown, Unavailable or Unreported)	-0.164	0.207	-0.789	0.622	1	0.430

Note. edit\_scale level '1' coded as class 1.

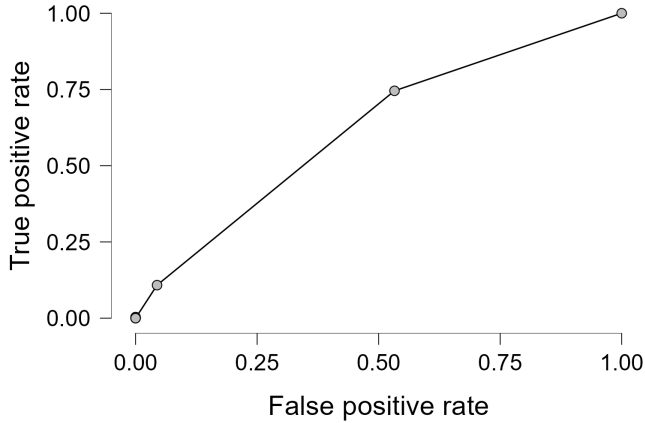
Performance Diagnostics

Performance metrics

	Value
AUC	0.649

Performance plots

ROC plot



Korelacja pochodzenie etniczne a wystepowanie z podzialem na kohorty wiekowe

Dekady	Racism Reduce	edit_scale		Total
		0	1	
3	African American or Black	60	3	63
	Caucasian or White	32	4	36
	Other	29	0	29
	Total	121	7	128
4	African American or Black	336	56	392
	Caucasian or White	181	24	205
	Other	122	3	125
	Total	639	83	722
5	African American or Black	551	118	669
	Caucasian or White	341	102	443
	Other	180	31	211
	Total	1072	251	1323
6	African American or Black	492	157	649
	Caucasian or White	327	107	434
	Other	53	27	80
	Total	872	291	1163
7	African American or Black	362	119	481
	Caucasian or White	304	192	496
	Other	20	18	38
	Total	686	329	1015
8	African American or Black	107	56	163
	Caucasian or White	113	84	197
	Other	7	14	21
	Total	227	154	381
9	African American or Black	8	7	15
	Caucasian or White	19	14	33
	Other	0	0	0
	Total	27	21	48
Total	African American or Black	1916	516	2432
	Caucasian or White	1317	527	1844
	Other	411	93	504
	Total	3644	1136	4780

Note. Each cell displays the observed counts



## Chi-Squared Tests

Dekady		Value	df	p
3	X <sup>2</sup>	3.956	2	0.138
	X <sup>2</sup> continuity correction	.		
	N	128		
4	X <sup>2</sup>	13.172	2	0.001
	X <sup>2</sup> continuity correction	.		
	N	722		
5	X <sup>2</sup>	8.022	2	0.018
	X <sup>2</sup> continuity correction	.		
	N	1323		
6	X <sup>2</sup>	3.519	2	0.172
	X <sup>2</sup> continuity correction	.		
	N	1163		
7	X <sup>2</sup>	25.783	2	< .001
	X <sup>2</sup> continuity correction	.		
	N	1015		
8	X <sup>2</sup>	8.899	2	0.012
	X <sup>2</sup> continuity correction	.		
	N	381		
9	X <sup>2</sup>	NaN		
	X <sup>2</sup> continuity correction	.		
	N	48		
Total	X <sup>2</sup>	40.154	2	< .001
	X <sup>2</sup> continuity correction	.		
	N	4780		

Note. Continuity correction is available only for 2x2 tables.

<sup>a</sup> X<sup>2</sup> could not be calculated - At least one row or column contains all zeros