

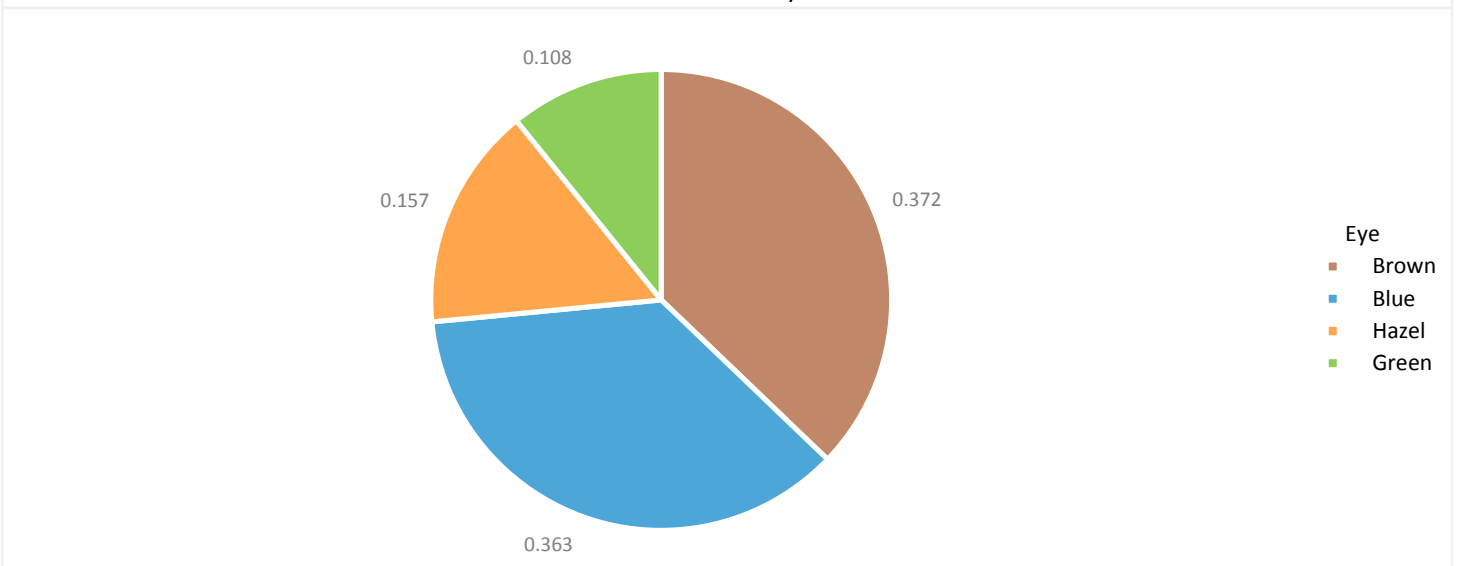
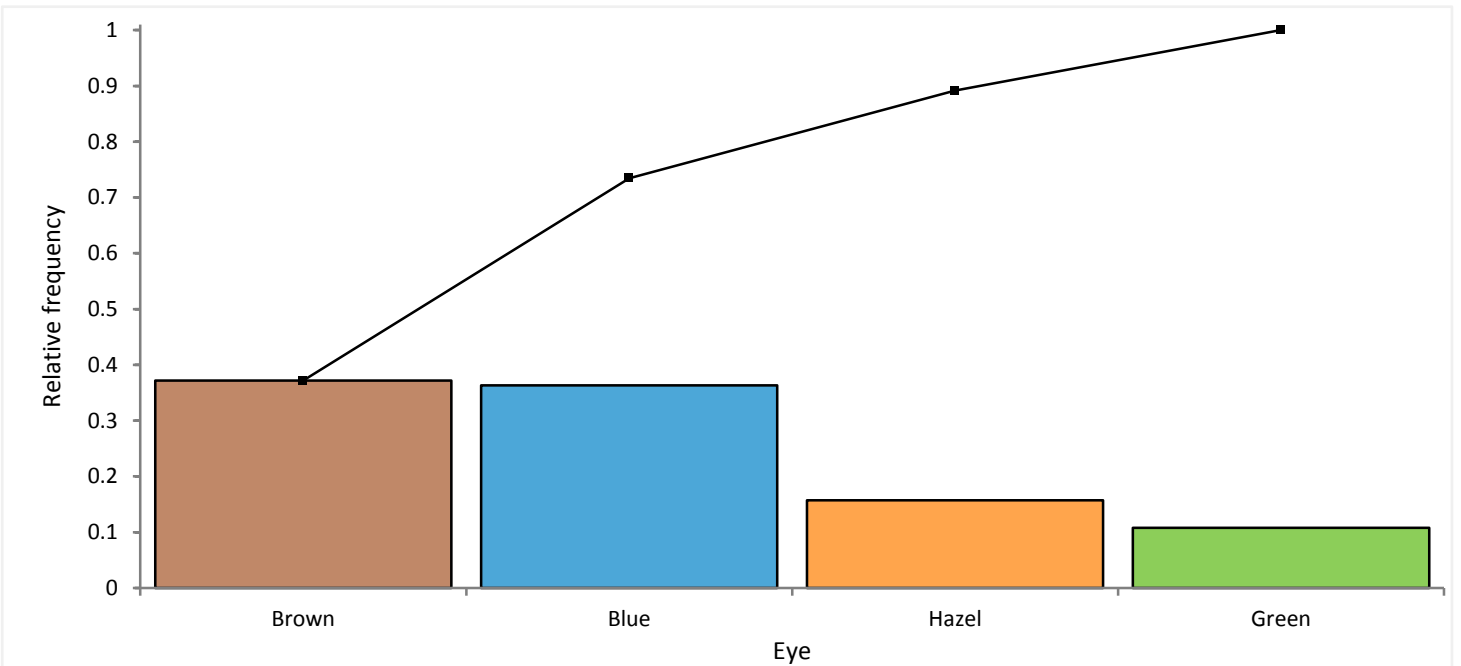
Distribution: Eye

Hair -Eye Color

<http://www.datavis.ca/papers/asa92.html>

Last updated 2 February 2016 at 11:27 by Analyse-it Software, Ltd.

Frequencies



N | 592

Eye	Frequency	Relative frequency
Brown	220	0.372
Blue	215	0.363
Hazel	93	0.157
Green	64	0.108

Distribution: Eye

Hair -Eye Color

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Proportions / Odds

Pearson's chi-squared test

Category	Proportion	Hypothesized proportion
Blue	0.363	0.286
Brown	0.372	0.429
Green	0.108	0.143
Hazel	0.157	0.143
χ^2 statistic	22.76	
DF	3	
Asymptotic p-value	<0.0001 ¹	

H0: $\pi_i = \text{Hypothesized } \pi_i$, for all i

The proportion of occurrences of events in the population the sample represents are equal to the hypothesized proportions.

H1: $\pi_i \neq \text{Hypothesized } \pi_i$, for at least one i

The proportion of occurrences of the events in the population the sample represent are not equal to the hypothesized proportions.

¹ Reject the null hypothesis in favour of the alternative hypothesis at the 5% significance level.