Methods

Model

We begin by creating a model for predicting brain age. A dataset of 76 instances of brain measurement readings are used.

We see a linear distribution of ages among the training dataset, so cross validation with random sampling from a shuffled dataset is used for model assessment. 5-fold cross validation is used, giving training sets of 61 and test sets of 16. This cross validation was used 100 times on each model, and scores were averaged. A Bayesian Ridge model performed best, averaging R^2=0.609 over 100 iterations of 5-fold cross validation.

Results