# Bayesian Model Specification

The code below demonstrates how to specify a Bayesian model using the `rstanarm` package. The model estimates the probability of an athlete winning a game based on various features, such as age and experience. The model is specified as follows:

```r
model <- stan_glm(wins ~ age + experience, data = athlete_data, family = binomial,
                   prior = normal(0, 10), prior_intercept = normal(0, 5))
```

## Model Summary

The model summary provides insights into the coefficients and their significance:

```r
summary(model)
```

## Predictions

The `predict` function can be used to make predictions on new data:

```r
new_data <- data.frame(age = c(25, 30, 35), experience = c(2, 4, 6))
predictions <- predict(model, newdata = new_data)
```

## Visualization

Graphs can be generated to visualize the model fit and predictions:

```r
plot(model)
```