0.0.1 Question 2c: Verify Outcome

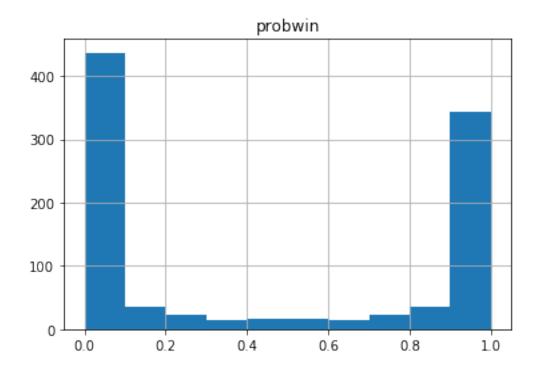
Did the candidate win or lose the election? Verify with election outcome.

Type your answer here, replacing this text.

SOLUTION

0.0.2 Question 3a: Prediction Histogram

Make a histogram showing the predicted win probabilities on the morning of the election. Again, restrict yourself to only the classic predictions.



0.0.3 Question 3b: Prediction difficulty

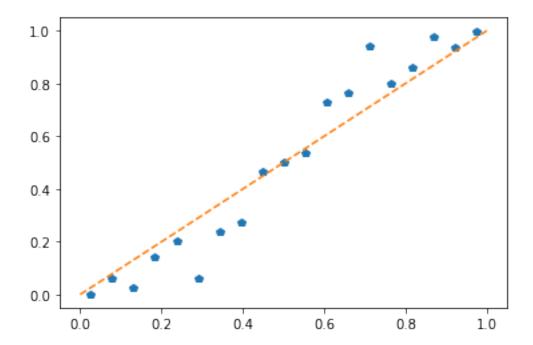
Are most house elections easy to forecast or hard to forecast? State your reasoning.

Type your answer here, replacing this text.

SOLUTION

0.0.4 Question 4c: Visualize Results

Now make a scatterplot using midpoints as the x variable and fraction_outcome as the y variable. Draw a dashed line from [0,0] to [1,1] to mark the line y=x.



0.0.5 Question 5b: Visualize Error Bars 1

Use plt.errorbar to create a new plot with error bars associated with the actual fraction of wins in each bin. Again add a dashed y=x line. Set the argument fmt='.' to create a scatterplot with errorbars.

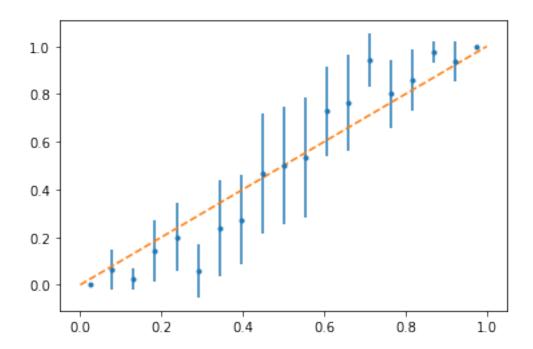
```
In [38]: # Plotting code below

# BEGIN SOLUTION

plt.errorbar(midpoints, election_agg['mean'].values, yerr=election_agg['err'].values, fmt='.')

plt.plot([0, 1], [0, 1], '--');

# END SOLUTION
```



0.0.6 Question 5d: Understanding Confidence Intervals

Are the 95% confidence intervals generally larger or smaller for more confident predictions (e.g. the predictions closer to 0 or 1). What are the factors that determine the length of the confidence intervals?

Type your answer here, replacing this text.

SOLUTION