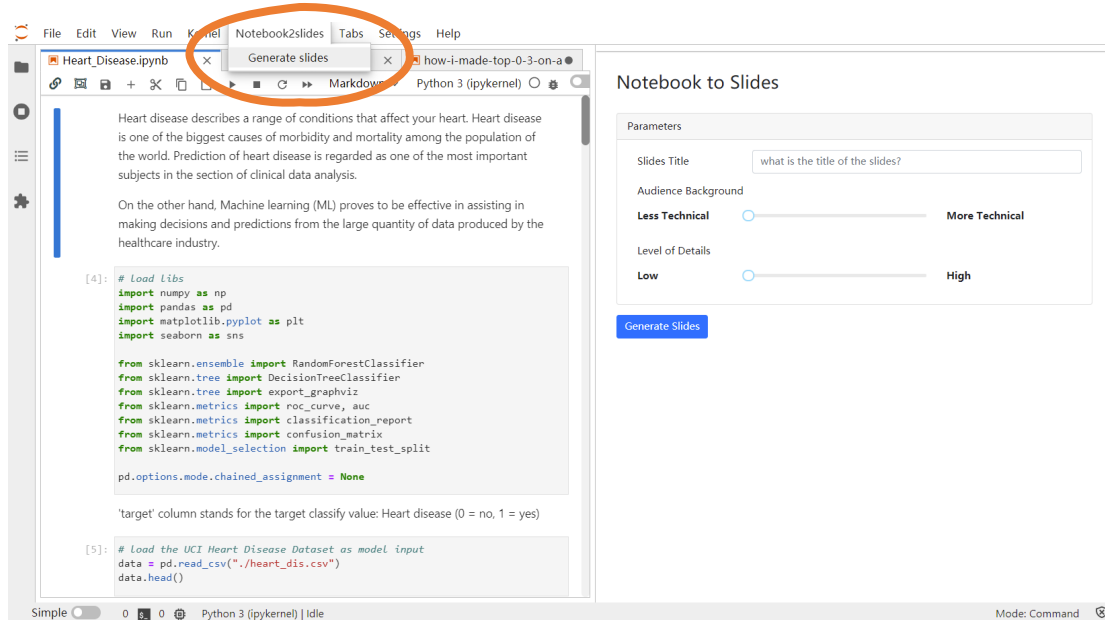


# NB2Slide User Guide

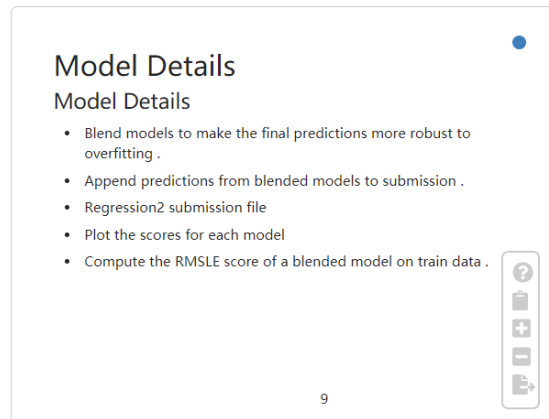
## Generate Slides



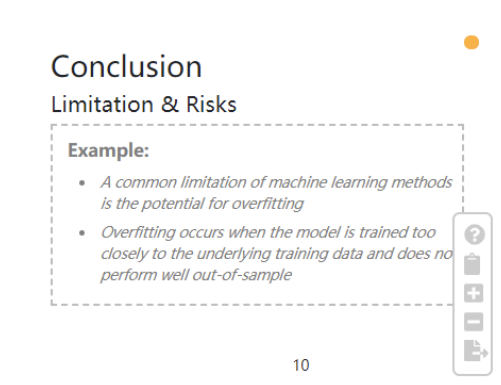
- Use the toolbar
- Input slide title
- Audience Types: Non-technical vs. technical
- Level of Details

## Explore the slides

- Slides
  - Automatic Generated



- Example and Help



- Overview

The screenshot shows a Jupyter Notebook interface with three tabs: 'Heart\_Disease.ipynb', 'RedWine.ipynb', and 'how-i-made-top-0-3-on-a...'. The active notebook is 'House Price Prediction'. The main content area shows a section titled 'Model Performance' with a paragraph and a line graph. A red box highlights the table of contents on the right side of the notebook, which includes sections like 'Introduction', 'Purpose and Intended Use', 'Workflow', 'Data Source', 'Model Details', 'Model Performance', 'Conclusion', 'Appendix: Data', 'Appendix: Feature Engineering', and 'Appendix: Model'. A red box also highlights the 'Introduction' section in the slide preview on the right, which shows a slide titled 'Introduction' with a section on 'Purpose and Intended Use' and an 'Example' section.

**House Price Prediction**

**Model Performance**

We can observe from the graph below that the blended model far outperforms the other models, with an RMSLE of 0.075. This is the model I used for making the final predictions.

```
[1]: from IPython.display import Image
Image("../input/kernel-files/model_training_advanced_regression.png")
```

**Table of contents**

- Introduction
- Purpose and Intended Use
- Workflow
- Data Source
- Model Details
- Model Performance
- Conclusion
- Appendix: Data
- Appendix: Feature Engineering
- Appendix: Model

**Slide Preview:**

**Introduction**

**Purpose and Intended Use**

**Example:**

- Smiling Detection in Images
- Intended to be used for fun applications, such as creating cartoon smiles on real images; augmentative applications such as providing details for people who are blind
- Particularly intended for younger audiences.

- Overview of the Notebook, shows the output, can navigate to corresponding cells
- Toggle the button above to get a more abstract visualization

Data Science Work  
for xxx

Table of slides content

- Click sections that are automatic generated can navigate the corresponding cells

- You can explore code cells related to a generated slide

The screenshot shows a Jupyter Notebook with the following content:

```
[22]: # compute the cross validation score of models
rfc_eval = cross_val_score(estimator = rfc, X = X_train, y = y_train)
sgd_eval = cross_val_score(estimator = sgd, X = X_train, y = y_train)
gb_eval = cross_val_score(estimator = gb, X = X_train, y = y_train)
svc_eval = cross_val_score(estimator = svc, X = X_train, y = y_train)

models = {
    'Model': ['random forest', 'SGD', 'GB', 'SVC'],
    'Acc': [rfc_eval.mean(), sgd_eval.mean(), gb_eval.mean(), svc_eval.mean()]
}

plt.figure(figsize = (20, 8))
sns.set(font_scale=3)
sns.barplot(x = 'Model', y = 'Acc', data = models)
plt.ylim(0.5, 1)
plt.show()
```

The bar chart displays the accuracy of four models: random forest (approx. 0.8), SGD (approx. 0.65), GB (approx. 0.75), and SVC (approx. 0.7). The caption below the chart reads: "Random forest looks best".

Below the chart, the text "Model Performance on Testing Set" is followed by code for fitting and predicting with the random forest model:

```
[23]: rfc.fit(X_train, y_train)
y_pred_rfc = rfc.predict(X_test)

acc = accuracy_score(y_test, y_pred_rfc)
print("Acc : ", acc)
```

To the right of the notebook is a slide preview pane. It shows a table of contents with links to "Introduction", "Model Details", "Model Input", "Model Output", "Optimization", "Model Performance", "Conclusion", "Appendix: Data", "Appendix: Feature Engineering", and "Appendix: Model". The "Model Details" slide is currently selected and shown in the preview, containing sections for "Model Input", "Model Output", and "Optimization".

## Edit the slides

- Add, edit, and remove slides

- Edit Format:

Subtitle

\*point1

\*point2

\*point3

Eg:

### Conclusion

Subtitle

\*point1

\*point2

\*point3

Ok

Cancel

### Conclusion

Subtitle

- point1
- point2
- point3

- Copy image from notebook to the slides