Visualize Performance History

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Preliminaries

```python
# Load libraries
import numpy as np
from keras.datasets import imdb
from keras.preprocessing.text import Tokenizer
from keras import models
from keras import layers
import matplotlib.pyplot as plt

# Set random seed
np.random.seed(0)
```

```
Using TensorFlow backend.
```

Load Movie Review Data

```python
# Set the number of features we want
number_of_features = 10000

# Load data and target vector from movie review data
(train_data, train_target), (test_data, test_target) = imdb.load_data(num_words=number_of_features)

# Convert movie review data to a one-hot encoded feature matrix
tokenizer = Tokenizer(num_words=number_of_features)
train_features = tokenizer.sequences_to_matrix(train_data, mode='binary')
test_features = tokenizer.sequences_to_matrix(test_data, mode='binary')
```

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