plots

February 27, 2026

[2]:
```
import pandas as pd
import matplotlib.pyplot as plt
```

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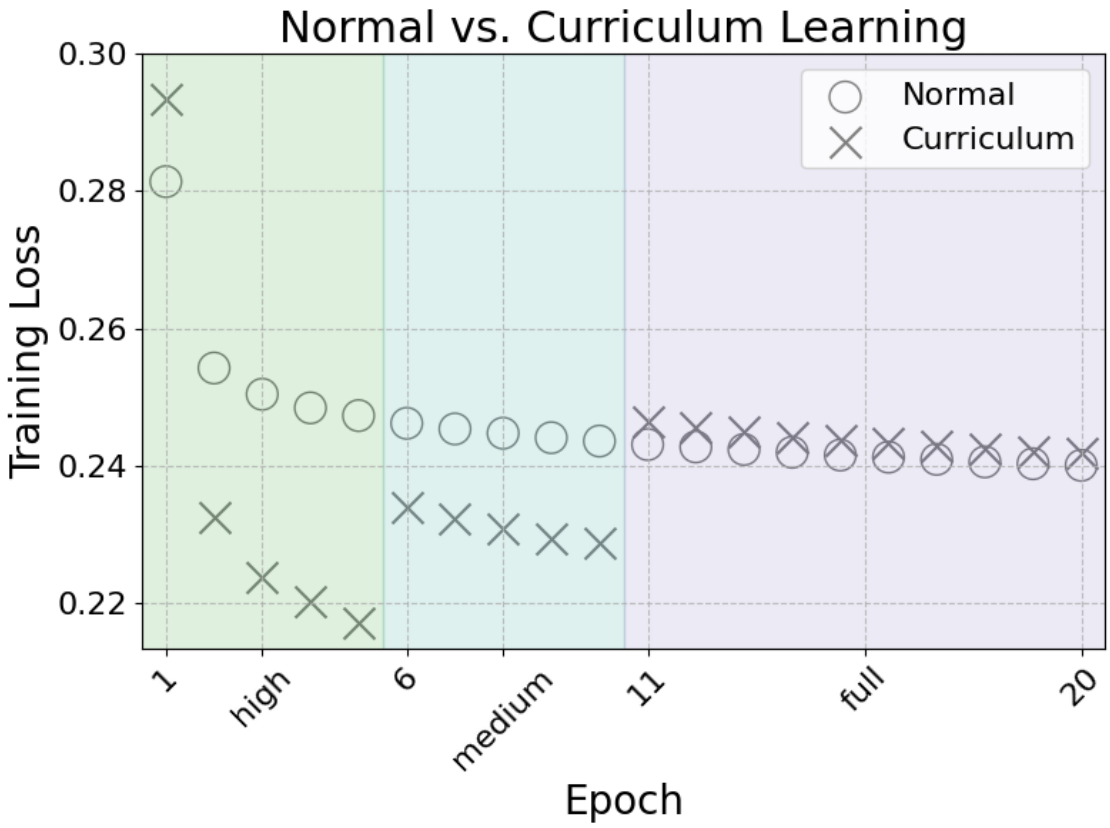
```
normal_df = pd.read_csv('train_losses_2_layer.csv')
curriculum_df = pd.read_csv('curriculum_train_losses_2_layer.csv')

marker_size = 250

plt.figure(figsize=(8,6))
plt.scatter(normal_df['epoch'], normal_df['loss'], marker='o', s=marker_size,␣
 ↪facecolors='none', color='0.5', label='Normal')
plt.scatter(curriculum_df['epoch'], curriculum_df['loss'], marker='x',␣
 ↪s=marker_size, color='0.5', label='Curriculum')

# Add shaded regions for each stage
plt.axvspan(0.5, 5.5, color="#2ca02c", alpha=0.15)
plt.axvspan(5.5, 10.5, color="#26a399", alpha=0.15)
plt.axvspan(10.5, 20.5, color="#4732a5", alpha=0.10)

plt.xlim(0.5,20.5)

plt.xlabel('Epoch', fontsize=20)
plt.ylabel('Training Loss', fontsize=20)
plt.title('Normal vs. Curriculum Learning', fontsize=22)
plt.tick_params(axis='both', labelsize=16)

plt.yticks([0.22, 0.24, 0.26, 0.28, 0.30])
plt.xticks([1, 6, 11, 20])
ticks = list(plt.xticks()[0]) + [3, 8, 15.5]
labels = [item.get_text() for item in plt.gca().get_xticklabels()] + ['high',␣
 ↪'medium', 'full']
plt.xticks(ticks, labels, rotation=45)
plt.xticks(ticks, labels)

plt.legend(fontsize=16)
plt.grid(True, alpha=0.8, linestyle='--')
plt.tight_layout()
```

```
plt.savefig('training_loss_comparison_2_layers.png', dpi=150)
plt.show()
```



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