letter, noise=0.00, fold=1, epsilon=0.01, theta=0.10, tree=1.00

Boosting iteration

Training error

ADB−noisy
ADB−clean
LB−noisy
LB−clean
RB−noise
RB−clean

Test error

ADB−noisy
ADB−clean
LB−noisy
LB−clean
RB−noise
RB−clean
letter, noise=0.00, fold=3, epsilon=0.01, theta=0.10, tree=1.00

Boosting iteration
0 100 200 300 400 500 600 700 800 900 1000

Training error
ADB−noisy
ADB−clean
LB−noisy
LB−clean
RB−noisy
RB−clean

Test error
ADB−noisy
ADB−clean
LB−noisy
LB−clean
RB−noisy
RB−clean
letter, noise=0.10, fold=1, epsilon=0.11, theta=0.10, tree=1.00
letter, noise=0.10, fold=2, epsilon=0.11, theta=0.10, tree=1.00
letter, noise=0.10, fold=3, epsilon=0.11, theta=0.10, tree=1.00

![Diagram showing training and test errors for different datasets and noise conditions. The x-axis represents boosting iteration, and the y-axis represents error.]
letter, noise=0.20, fold=1, epsilon=0.21, theta=0.10, tree=1.00

![Graph showing training and test errors over boosting iterations for different categories of data: ADB-noisy, ADB-clean, LB-noisy, LB-clean, RB-noise, RB-clean.](image)

- **Training error**
  - ADB-noisy
  - ADB-clean
  - LB-noisy
  - LB-clean
  - RB-noise
  - RB-clean

- **Test error**
  - ADB-noisy
  - ADB-clean
  - LB-noisy
  - LB-clean
  - RB-noise
  - RB-clean

---

**Legend for Graphs:**
- ADB-noisy (light blue)
- ADB-clean (purple)
- LB-noisy (light blue dashed)
- LB-clean (purple dashed)
- RB-noise (red dashed)
- RB-clean (green dashed)

**Data Categories:**
- ADB (Address and Date Box)
- LB (Line Break)
- RB (Return Break)
letter, noise=0.20, fold=2, epsilon=0.21, theta=0.10, tree=1.00

<table>
<thead>
<tr>
<th></th>
<th>ADB−noisy</th>
<th>ADB−clean</th>
<th>LB−noisy</th>
<th>LB−clean</th>
<th>RB−noise</th>
<th>RB−clean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Training error</td>
<td>0.4</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
</tr>
<tr>
<td>Test error</td>
<td>0.4</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
</tr>
</tbody>
</table>

Boosting iteration vs. Training error and Test error for different datasets.
letter, noise=0.20, fold=3, epsilon=0.21, theta=0.10, tree=1.00

- ADB-noisy
- ADB-clean
- LB-noisy
- LB-clean
- RB-noisy
- RB-clean

Training error

Test error
letter, noise=0.30, fold=1, epsilon=0.31, theta=0.10, tree=1.00
letter, noise=0.30, fold=2, epsilon=0.31, theta=0.10, tree=1.00

Training error
ADB−noisy
ADB−clean
LB−noisy
LB−clean
RB−noise
RB−clean

Test error
ADB−noisy
ADB−clean
LB−noisy
LB−clean
RB−noise
RB−clean
letter, noise=0.30, fold=3, epsilon=0.31, theta=0.10, tree=1.00

Boosting iteration

Training error

ADB-noisy  ADB-clean  LB-noisy  LB-clean  RB-noise  RB-clean

Test error

ADB-noisy  ADB-clean  LB-noisy  LB-clean  RB-noise  RB-clean
letter, noise=0.40, fold=1, epsilon=0.41, theta=0.10, tree=1.00

- ADB-noisy
- ADB-clean
- LB-noisy
- LB-clean
- RB-noise
- RB-clean

Boosting iteration vs Training error

Boosting iteration vs Test error
letter, noise=0.40, fold=2, epsilon=0.41, theta=0.10, tree=1.00

---

**Training error**

- ADB-noisy
- ADB-clean
- LB-noisy
- LB-clean
- RB-noisy
- RB-clean

---

**Test error**

- ADB-noisy
- ADB-clean
- LB-noisy
- LB-clean
- RB-noisy
- RB-clean