

Phase	Details	Data Utilized
<p data-bbox="60 310 314 390">Training</p>	<p data-bbox="476 173 1375 231">Train 11 different machine learning models with baseline settings</p> <p data-bbox="513 286 1343 344">↓</p> <p data-bbox="513 286 1343 344">Select the best performing models based on Cohen's kappa</p> <p data-bbox="610 390 1241 447">↓</p> <p data-bbox="610 390 1241 447">Fine tune the 4 models selected in this step</p>	<pre>graph TD; A["Raine Study (n=995)"] --> B["Training data (n=797)"]; A --> C["Test data (n=198)"]</pre>
<p data-bbox="60 647 314 727">Testing</p>	<p data-bbox="519 642 1302 700">Test model performance on the Raine study test set</p>	<p data-bbox="1785 642 2007 739">Test data (n=198)</p>
<p data-bbox="60 963 314 1042">Validation</p>	<p data-bbox="476 999 1375 1057">Apply the fine-tuned models to the NFBC66 and NFBC86 data sets</p>	<p data-bbox="1472 999 1694 1095">NFBC1966 (n=602)</p> <p data-bbox="1899 999 2121 1095">NFBC1986 (n=478)</p>