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| --- | --- | --- | --- | --- | --- | --- |
| Model name | Train Data set name & size | Test dataset name & size | Accuracy | precession | recall | f1 score |
| Bert-base-uncased | Kitchen1.csv  (20k) | DVD11.csv 12450 | .94 | .96 | .97 | .96 |
|  |  | Electronics11.csv  66854 | .93 | .94 | .97 | .96 |
|  |  | Books11.csv  33115 | .91 | .93 | .96 | .95 |
|  |  | Kitchen1.csv  204723 |  |  |  |  |
|  | Electronics11.csv  20k | Books11.csv  33115 | .91 | .93 | .98 | .95 |
|  |  | DVD11.csv  12450 | .94 | .96 | .97 | .96 |
|  |  | Kitchen1.csv  204723 | .94 | .97 | .96 | .97 |
|  |  | Electronics11.csv  66854 | .93 | .96 | .98 | .94 |
|  | DVD11.csv  12450 | Books11.csv  20k | .99 | .99 | .99 | .99 |
|  |  | DVD11.csv  12450 | .99 | .99 | .99 | .99 |
|  |  | Kitchen1.csv  20k | .94 | .96 | .97 | .96 |
|  |  | Electronics11.csv  20k | .92 | .95 | .96 | .95 |
|  | Books11.csv  20k | Books11.csv  33115 |  |  |  |  |
|  |  | DVD11.csv  12450 | .93 | .94 | .98 | .96 |
|  |  | Kitchen1.csv  204723 |  |  |  |  |
|  |  | Electronics11.csv  66854 | .94 | .95 | .98 | .97 |
| RoBERTa | Kitchen1.csv  (20k) | DVD11.csv 12450 |  |  |  |  |
|  |  | Electronics11.csv  66854 |  |  |  |  |
|  |  | Books11.csv  33115 |  |  |  |  |
|  |  | Kitchen1.csv  204723 |  |  |  |  |
|  | Electronics11.csv  20k | Books11.csv  33115 |  |  |  |  |
|  |  | DVD11.csv  12450 |  |  |  |  |
|  |  | Kitchen1.csv  204723 |  |  |  |  |
|  |  | Electronics11.csv  66854 |  |  |  |  |
|  | DVD11.csv  12450 | Books11.csv  20k |  |  |  |  |
|  |  | DVD11.csv  12450 | .98 | .99 | .99 | .99 |
|  |  | Kitchen1.csv  20k |  |  |  |  |
|  |  | Electronics11.csv  20k | .93 | .96 | .96 | .96 |
|  | Books11.csv  20k | Books11.csv  33115 |  |  |  |  |
|  |  | DVD11.csv  12450 |  |  |  |  |
|  |  | Kitchen1.csv  204723 |  |  |  |  |
|  |  | Electronics11.csv  66854 |  |  |  |  |
|  |  |  |  |  |  |  |
| Bert-large-cased | Kitchen1.csv  (20k) | DVD11.csv 12450 | .94 | .96 | .98 | .97 |
|  |  | Electronics11.csv  66854 | .93 | .94 | .98 | .96 |
|  |  | Books11.csv  33115 | .91 | .95 | .94 | .95 |
|  |  | Kitchen1.csv  204723 | .99 | .99 | 1.00 | 1.00 |
|  | Electronics11.csv  20k | Books11.csv  33115 |  |  |  |  |
|  |  | DVD11.csv  12450 |  |  |  |  |
|  |  | Kitchen1.csv  204723 |  |  |  |  |
|  |  | Electronics11.csv  66854 |  |  |  |  |
|  | DVD11.csv  12450 | Books11.csv  20k |  |  |  |  |
|  |  | DVD11.csv  12450 |  |  |  |  |
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|  | Books11.csv  20k | Books11.csv  33115 |  |  |  |  |
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|  |  | Electronics11.csv  66854 |  |  |  |  |
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