Ling571

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**Q1.**

Training acc: 0.6011

Testing acc: 0.1167

**Q2.**

Table 1 Bernoulli

|  |  |  |
| --- | --- | --- |
| cond\_prob\_delta | Train acc | Test acc |
| 0.1 | 0.93 | 0.88 |
| 0.5 | 0.91 | 0.86 |
| 1.0 | 0.897 | 0.84 |

**Q3.**

Table 2 Multinomial

|  |  |  |
| --- | --- | --- |
| cond\_prob\_delta | Train acc | Test acc |
| 0.1 | 0.96 | 0.91 |
| 0.5 | 0.95 | 0.91 |
| 1.0 | 0.94 | 0.9 |

Happy grading!