**Homework 7 “N-gram Tagger”**Answer Sheet  
<https://sites.pitt.edu/~naraehan/ling1330/hw7.html>

Instructions:

* For **Code/output**, copy-paste the relevant section of your IDLE shell window that shows the code snippet along with the output. Screenshots recommended (colors!).
* For **Write-up**, you should type up your answer/analysis referencing what you found/accomplished through the code.
* [See this example](https://sites.pitt.edu/~naraehan/ling1330/HW4_PART_B_example.pdf) to get a sense of what’s expected!

Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PART 1: Building a Bigram Tagger  
Step 4: Explore**

1. **Training and testing data size**

|  |
| --- |
| Code/output (copy-paste) Write-up |

1. **Tagger performance**

|  |
| --- |
| Code/output (copy-paste) Write-up |

1. **‘cold’ and its POS**

|  |
| --- |
| 1. Code/output (copy-paste) Write-up |
|  |
| c. |
| d. |

1. **Your expectation: tagging new sentences with ‘cold’**

|  |
| --- |
| Write-up |

1. **Verify tagger’s rulings**

|  |
| --- |
| Code/output (copy-paste) Write-up |

1. **Tagging ‘so’ sentences**

|  |
| --- |
| Code/output (copy-paste) Write-up |

1. **Evaluate tagger’s performance**

|  |
| --- |
| Code/output (copy-paste) Write-up |

1. **Your critique on the bigram tagger**

|  |
| --- |
| Write-up |

**PART 2: Building a Better Tagger**

1. **Show + explain what you did**

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| Code/output (copy-paste) Write-up |

1. **Performance gain**

|  |
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| Code/output (copy-paste) Write-up |

1. **Test on a made-up sentence**

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| Code/output (copy-paste) Write-up |

1. **A test sentence better-handled by your new tagger**

|  |
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| Code/output (copy-paste) Write-up |