Assignment - Understanding concepts in Natural Language Processing (NLP)

- **Due** *March 4 by 4:59 pm*   **Points 4**0   **Submitting** *PDF on telegram*

Purpose / Overview

The objective of this assignment is to allow you to improve your own personal understanding of natural language processing concepts by reflecting on important questions and explanations you provide about the topics selected for this assignment. You can refer to the Internet for this purpose, but try to develop your own unique clarification and description according to your understanding level.

Questions

Write a written reflection in which you answer the guiding questions listed below in a synthesized, cohesive manner. Your response should be approximately **5- to 8-pages including a cover page, 1.5 spaced, 12-point font, Times New Roman:**

1. Explain the importance of NLP? Discuss the levels of linguistic analysis in NLP
2. Identify the NLP application areas and provide definitions and examples for each?

Evaluation

This assignment will be evaluated based on the following **Rubric.**

<table>
<tr><td colspan="6" align="center">Understanding concepts in
Natural Language Processing (NLP)</td></tr>
<tr><td>Criteria</td><td colspan="4" align="center">Ratings</td><td>Pts</td></tr>
<tr><td rowspan="3">Quality of explanation anddiscussion of levels of linguistic analysis</td><td>20 to >15.0 Pts</td><td>15 to >8.0 Pts</td><td>8 to >2.0 Pts</td><td>2 to >0 Pts</td><td rowspan="3">20 Pts</td></tr>
<tr><td>Target</td><td>Acceptable</td><td>Minimal</td><td>Unacceptable</td></tr>
<tr><td>If the explanation is thoughtfully crafted and a detailed discussion of 5 to 6 levels listed</td><td>If the explanation is well written but a detailed discussion of 3 or 4 levels listed</td><td>If the explanation is adequately written,however, it lacks detail and fails to address the discussion but only lists 1 or 2 levels</td><td>If the explanation is poorly written and is severely lacking in detail and it failsto address the discussion and no levels listed</td></tr>
<tr><td rowspan="3">Quality of definition and examples for the specified application area.</td><td>10 to >5.0 Pts</td><td>5 to >3.0 Pts</td><td>3 to >2.0 Pts</td><td>2 to >0 Pts</td><td rowspan="3"></td></tr>
<tr><td>Target</td><td>Acceptable</td><td>Minimal</td><td>Unacceptable</td></tr>
<tr><td>If the definition is thoughtfully crafted and</td><td>If the definition is well-written and</td><td>If the definition is adequately written, however, it lacks</td><td>If the definition is poorly written and is severely lacking</td></tr>
</table>

	5 to >3.0 Pts	3 to >2.0 Pts	2 to >1.0 Pts	1 to >0 Pts	
	detailed examples are provided.	Appropriate examples are provided.	detail, and examples are not provided or are irrelevant to the assignment.	in detail and inappropriate, and/or unsupported examples are provided.	**10 Pts**
	5 to >3.0 Pts	**3 to >2.0 Pts**	**2 to >1.0 Pts**	**1 to >0 Pts**	
	Target	**Acceptable**	**Minimal**	**Unacceptable**	
Structure	Writing is clear, concise, and well organized with excellent sentence/paragraph construction. Thoughts are expressed in a coherent and logical manner. There are minimal (if any) spelling, grammar, or syntax errors per page of writing.	Writing is mostly clear, concise, and well organized with good sentence/paragraph construction. Thoughts are expressed in a coherent and logical manner. There are no more than three spelling, grammar, or syntax errors.	Writing is unclear and/or disorganized. Thoughts are not expressed in a logical manner. There are more than three spelling, grammar, or syntax errors.	Writing is unclear and disorganized. Thoughts ramble and make little sense. There are numerous spelling, grammar, or syntax errors throughout the assignment.	**5 Pts**
	5 to >3.0 Pts	**3 to >2.0 Pts**	**2 to >1.0 Pts**	**1 to >0 Pts**	**5 Pts**
	Target	**Acceptable**	**Minimal**	**Unacceptable**	
Sources/reference	Citations are formatted correctly in the document	There are a few formatting errors in the citations of the document.	There are some formatting errors in the citations of the document.	There are many and/or frequent formatting errors in the documents in citations	
				Total Points: 40	

Note: