

## Problem 1

<b>Criteria</b>	<b>Strong</b>	<b>Medium</b>	<b>Poor</b>	<b>Points</b>
<b>Summary Sheet: Interpretation of the Problem</b>	Clear background, mentions the big problem to be solved and specifies focus areas of the paper; easy to locate and is consistent throughout the paper <i>(5 points)</i>	Restates the problem, some goals are mentioned and consistently followed <i>(3 points)</i>	Problem not stated or hard to find <i>(1 point)</i>	3.5/5
<b>Summary Sheet: Overview of Methods</b>	Indicates methodologies used, as well as their purposes in a chronological fashion; easy to understand <i>(10 points)</i>	Methods stated, but are unclear and difficult to understand <i>(6 points)</i>	Methods barely or not mentioned with no explanations given <i>(1 points)</i>	10/10
<b>Summary Sheet: Statement of Conclusions</b>	Main results included with analysis and assessment of the model(s) mentioned <i>(10 points)</i>	Results included, but not clear and/or too technical <i>(6 points)</i>	Few or no results, analysis, and assessment <i>(1 points)</i>	8.5/10
<b>Solution: Assumptions/Justifications</b>	Assumptions are well justified and limitations are stated when appropriate; all major assumptions are included and consistently followed <i>(5 points)</i>	Some major assumptions are missing, unreasonable, or not flowed <i>(3 points)</i>	Most major assumptions are left out, unreasonable, or not followed <i>(1 point)</i>	3/5
<b>Solution: Variables and Parameters</b>	Identifies important factors in the model and their influences on the outcome; numbers are clearly cited if appropriate	Factors are mentioned but sometimes introduced without sufficient reasoning	Factors are poorly chosen or numbers are not well cited	3/5

	<i>(5 points)</i>	<i>(3 points)</i>	<i>(1 points)</i>	
<b>Solution: Usage of Method(s)</b>	Method(s) are used correctly, efficiently, and effectively for solving the problem; consistently followed without significant errors  <i>(25 points)</i>	Method(s) are used correctly but are inefficient for solving the problem  <i>(15 points)</i>	Method(s) are incorrectly utilized or involve major errors  <i>(1 points)</i>	13/25
<b>Solution: Explanation</b>	Detailed, accurate, and concise explanations with words and math; conclusions are easily accessible and answers the problem statement  <i>(20 points)</i>	Presentation is somewhat detailed, accurate, and concise; the original problem statement is answered  <i>(12 points)</i>	Vague and long winded, or the original problem statement is not answered  <i>(1 points)</i>	15/20
<b>Solution: Analysis and Assessment</b>	Analyzes the viability of the model. For example, how it responds to change in parameters? Possible weaknesses?  <i>(10 points)</i>	Some analysis is included, but not well justified  <i>(6 points)</i>	Insufficient or incorrect analysis is presented  <i>(1 point)</i>	9/10
<b>Format</b>	0-1 criteria missing from the following: - Length does not exceed 35 pages - References are clearly represented and sources are correctly cited - Formulas and graphs are plainly labeled - Paper is enjoyable to read - Appropriate grammar and font used - File type (PDF)  <i>(10 points)</i>	2-3 formatting criteria missing  <i>(6 points)</i>	More than 3 formatting criteria missing  <i>(1 point)</i>	10/10

<b>Total</b>	Comments: <ul style="list-style-type: none"> <li>- very creative method but not sure if it would work as intended because sometimes the distance might cancel out when there are typos; actually, it only mapped very few of the data sets correctly</li> <li>- a flowchart would make your model easier to understand</li> </ul>	75/100
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## Problem 2

<i>Criteria</i>	<b>Strong</b>	<b>Medium</b>	<b>Poor</b>	<i>Points</i>
<b>Summary Sheet: Interpretation of the Problem</b>	Clear background, mentions the big problem to be solved and specifies focus areas of the paper; easy to locate and is consistent throughout the paper <i>(5 points)</i>	Restates the problem, some goals are mentioned and consistently followed <i>(3 points)</i>	Problem not stated or hard to find <i>(1 point)</i>	5/5
<b>Summary Sheet: Overview of Methods</b>	Indicates methodologies used, as well as their purposes in a chronological fashion; easy to understand <i>(10 points)</i>	Methods stated, but are unclear and difficult to understand <i>(6 points)</i>	Methods barely or not mentioned with no explanations given <i>(1 points)</i>	8.5/10
<b>Summary Sheet: Statement of Conclusions</b>	Main results included with analysis and assessment of the model(s) mentioned <i>(10 points)</i>	Results included, but not clear and/or too technical <i>(6 points)</i>	Few or no results, analysis, and assessment <i>(1 points)</i>	8/10
<b>Solution: Assumptions/Justifications</b>	Assumptions are well justified and limitations are stated when appropriate; all major assumptions are included and consistently followed <i>(5 points)</i>	Some major assumptions are missing, unreasonable, or not flowed <i>(3 points)</i>	Most major assumptions are left out, unreasonable, or not followed <i>(1 point)</i>	4.5/5

<b>Solution: Variables and Parameters</b>	Identifies important factors in the model and their influences on the outcome; numbers are clearly cited if appropriate  <i>(5 points)</i>	Factors are mentioned but sometimes introduced without sufficient reasoning  <i>(3 points)</i>	Factors are poorly chosen or numbers are not well cited  <i>(1 points)</i>	4.5/5
<b>Solution: Usage of Method(s)</b>	Method(s) are used correctly, efficiently, and effectively for solving the problem; consistently followed without significant errors  <i>(25 points)</i>	Method(s) are used correctly but are inefficient for solving the problem  <i>(15 points)</i>	Method(s) are incorrectly utilized or involve major errors  <i>(1 points)</i>	12.5/25
<b>Solution: Explanation</b>	Detailed, accurate, and concise explanations with words and math; conclusions are easily accessible and answers the problem statement  <i>(20 points)</i>	Presentation is somewhat detailed, accurate, and concise; the original problem statement is answered  <i>(12 points)</i>	Vague and long winded, or the original problem statement is not answered  <i>(1 points)</i>	14/20
<b>Solution: Analysis and Assessment</b>	Analyzes the viability of the model. For example, how it responds to change in parameters? Possible weaknesses?  <i>(10 points)</i>	Some analysis is included, but not well justified  <i>(6 points)</i>	Insufficient or incorrect analysis is presented  <i>(1 point)</i>	7/10
<b>Format</b>	0-1 criteria missing from the following: - Length does not exceed 35 pages - References are clearly represented and sources are correctly cited - Formulas and graphs are plainly labeled - Paper is enjoyable to read - Appropriate grammar and font used - File type (PDF)	2-3 formatting criteria missing	More than 3 formatting criteria missing	10/10

	<i>(10 points)</i>	<i>(6 points)</i>	<i>(1 point)</i>	
<b>Total</b>	Comments: <ul style="list-style-type: none"><li>- you could take some of the data provided to test the model</li><li>- just driving to southern NYC doesn't really decrease the amount of time taxis are unoccupied</li></ul>			74/100