

## Rubric for ITCS 3162 Project

Description of the problem area <b>(2)</b>	2.0 Describe the problem from your understanding.	0.0 No description given.	
The choice and justification of additional 4 features, along with the method and source for their extraction <b>(4)</b>	1.0 Add four new features that make sense (they should be correlated with the decision feature).	0.5 Only some features added (less than four). Or some features make sense.	0.0 No new features added.
	3.0 Shortly describe each of the new features: give the type, source, and discuss why those features make sense. For example, discuss correlation of the features to the target and how they improve classification results	1.0 – 2.0 Only give the type, or only give the source, or only give the motivation (1 point each).	0.0 No description given.
Description of all the preprocessing methods performed on the dataset <b>(4)</b>	4.0 Conduct data preprocessing if needed and discuss your steps. Discretize the decision feature.	2.0 Error in discretization.	0.0 No discretization.
Report and analysis of classification results <b>(8)</b>	4.0 Run classifiers <b>with</b> these additional features and report/analyze the results.	2.0 Incorrect results	0.0 This part is missing.
	4.0 Run classifiers <b>without</b> these additional features and report/analyze the results.	2.0 Incorrect results	0.0 This part is missing.

<p>Report and analysis of action rule mining results. The action rules suggest what changes in values of classification features are needed to lower FSI. (12)</p>	<p>3.0 Analyze attributes in your dataset - discuss which features are stable/flexible and define your analytical task (hypothesis).</p>		<p>2.0 Fail to define stable/flexible attributes or fail to define the analytical task.</p>	<p>0.0 This part is missing.</p>
	<p>3.0 Shortly describe patterns you defined in Lisp-Miner in your report. Justify the choice of the defined pattern (hypothesis) you extracted.</p>		<p>2.0 Error with the patterns defined in Lisp-Miner</p>	<p>0.0 No description and justification of the defined pattern.</p>
	<p>1.0 If using Lisp Miner: attach the exported text file with the action rules you extracted. If using Python library or other programming language: attach your code and outputs (can be a saved text file, screenshots, etc.)</p>		<p>0.0 No attachment of the action rules extracted.</p>	
	<p>5.0 Analyze a couple of rules (at least 2 rules, with the highest support), to suggest actions that can be taken into consideration for the chosen countries to change their status to less fragile.</p>	<p>4.0 Analyze only one rule, or the rules are not of the highest support.</p>	<p>2.0 Error with the action rules extracted.</p>	<p>0.0 This part is missing.</p>

