

## Arizona ArcGIS Map Contest Judging Rubric

**Topic (5 points):** The topic is clearly stated. The topic answers an Arizona-based question, proposes a solution to an Arizona-based problem, and/or addresses an Arizona-based issue.

**Map Presentation (10 points):** The presentation is logically organized to answer an Arizona-based question, propose a solution to an Arizona-based problem, or address an Arizona-based issue. Relationships and patterns in data are clearly explained. Includes an explanation of how and why the data presented supports the claims that are introduced.

**Cartography (10 points):** The maps effectively highlight relationships and patterns in data which support the claims introduced. The composition, visualization, and interplay of layers (display scale, transparency, classification, symbolization, pop-ups, charts, tables, labels, filtering, legend appearance) facilitate the viewer's grasp of individual elements of the topic and story.

- Classification: Data is presented using some form of classification such as population density, median income, etc.
- Symbolization: The data has been symbolized by shape, color or size.
- Filtering: Data has been filtered to show specific characteristics.

**Imported Data (5 points):** The data selected is appropriate, includes the most important elements, does not leave out any obviously important elements, and does not include irrelevant elements.

**Student-Created Data (5 points):** Five points are set aside to specifically reward students who create important data. Data created by the student(s) should be documented on the Details page. Points awarded from 0 to 5 based on the significance of the data created.

**Geographic Analysis (10 points):** The student(s) effectively used at least one type of geographic analysis. Here are some possible types of analysis: Geoanalysis: The geographical distribution of the data has been analyzed and the pattern explained.

Some examples of patterns and relationships to explore:

- What's nearby
- What's inside
- Most and least
- Areas of concentration
- Change over time

**Documentation (5 points):** Documentation in the item Details page is clear and complete:

- All non-original content (images, videos, text) are appropriately referenced and/or linked.
- Original content is described and/or linked.

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- Documentation identifies processes used to analyze the content.
- All persons who assisted in project are identified (including specifying if no one did).

### Point Awards

#### Rubric Terms Definitions

- Excellent = Student(s) demonstrated the highest level of accomplishment. It would be difficult to improve upon.
- Satisfactory = Student(s) demonstrated a competent level of achievement which could be improved upon.
- Incomplete = Student(s) did not address all the requirements.
- Missing = Student(s) failed to include the requirements of this category.

Judging Category	Scoring	Score
Map Topic: 5 points	Excellent = 5    Satisfactory = 4 - 3    Incomplete = 2 - 1 Missing = 0	
Map Presentation: 10 points	Excellent = 10    Satisfactory = 7 - 9    Incomplete = 8 - 1 Missing = 0	
Cartography: 10 points	Excellent = 10    Satisfactory = 7 - 9    Incomplete = 8 - 1 Missing = 0	
Imported Data: 5 points	Excellent = 5    Satisfactory = 4 - 3    Incomplete = 2 - 1 Missing = 0	
Student Data: 5 points	Excellent = 5    Satisfactory = 4 - 3    Incomplete = 2 - 1 0 = Missing	
Geographic Analysis: 10 points	Excellent = 10    Satisfactory = 7 - 9    Incomplete = 8 - 1 Missing = 0	
Documentation: 5 points	Excellent = 5    Satisfactory = 4 - 3    Incomplete = 2 - 1 Missing = 0	
	<b>Total Score</b>	