

Red Light, Green Light: Thinking with Data Rubric

	4	3	2	1
Data Collection	We collected extensive data from multiple sources over several days that directly relates to our research question of traffic issues in our neighborhood.	We collected data over several days that directly relates to our research question.	We collected data, but some of it may not relate to our research question, and there may not be enough to draw any meaningful conclusions.	We collected very little relevant data.
Data Records	Our data records are neat and thorough. They are organized and labeled so they can be easily understood by anyone.	Our data records are neat and organized so we can understand them.	Our data records are rather messy and somewhat confusing.	Our data records are so messy that we can not understand them.
Data Interpretation	We evaluated what data are relevant to our question, identified meaningful patterns, and drew valid conclusions about causes and effects. Our conclusions take into account all the relevant information we have found.	We chose the most important data to identify patterns and drew some reasonable conclusions about causes and effects.	With help, we drew some conclusions from our data, but our conclusions may not take into account all the relevant data.	We did not draw any conclusions from our data, or the conclusions we drew do not follow logically from the information we collected.