# Table 2: Investigating the Issue

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| **Scientific Issue:** Should we (humans) build a permanent settlement on Mars?  |
| **Research Question:** To what extent can humans overcome risks or challenges associated with traveling in space and establishing successful long-term settlements on Mars? |
| **Research Topic Choice:** **Summary of Research on Your Topic:** |
| **Data Set** | **Data Analysis** | **Hypothesis—Response to Question and Design Ideas** | **What the Articles Say (evidence) about your group's topic** | **Revised Hypothesis** |
| Data Set 1: Air and Ground Temperatures |  |  |  |  |
| Data Set 2:Mars Weather Now |  |
| Data Set 3: Climate Maps |  |
| Data Set 4:Snow Fall Changes |  |
| Data Set 5: Solar Radiation |  |
| Data Set 6:Mars - Earth Distance |  |
| How could engineers address your chosen topic in their design of transportation system or settlement? |