**Project 4 – Coasters and Games Student Handout**

Given a data set of the following information on all the division 1 schools in the U.S.

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| **Data** | **Description** |
| University’s full name | The full name of the university |
| University’s common name | The common name of the university |
| Team name | The name of the university’s teams |
| City | The city the university is in |
| State | The state the university is in |
| Status | It the university is public or private |
| Enrollment | The number of students enrolled in the university |
| Conference | The conference the university belongs in |

One way we could use this data would be to filter for only the data that is important to us. For example, we might want to only focus on universities in a specific state.   
 Show all the division one universities in Ohio.

What are two ways ways we could filter this data other than by a specific state?

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We can also summarize the data as a whole or by a subset of the data. An average is one way to summarize data. We might want to know the **average** enrollment of schools in the Big 12 Conference.

How many other ways can you think of to summarize data or a subset of data? Provide an example of each.

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| **Summary** | **Example** |
| average | Average enrollment of all the schools in the Big 12 Conference |
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