**In-Class Exercise #5: Working with Semi-Structured Data**

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| Submission GuideSubmit your solutions as a word or pdf file through Canvas>Assignments>To-Do. |

In this exercise, you’ll create CSV, XML, and JSON data files that describe a set of data.

Start with this data in the form of a table. This is a subset of the data in the film table in our moviedb database:

|  |  |  |  |
| --- | --- | --- | --- |
| film\_id | title | length | rating |
| 39 | Armageddon Lost | 99 | G |
| 331 | Forward Temple | 90 | NC-17 |
| 446 | Hysterical Grail | 150 | PG |
| 811 | Steamboat Bill, Jr. | 144 | PG-13 |

Write the equivalent CSV file for this data below (don’t forget the column headings):

Write the equivalent XML file for this data below – use a <film> tag for each film:

Write the equivalent JSON file for this data below: