

Introduction: Capstone Project of IBM Data Science

In this project/report, museums are defined as institutions, including nonprofit organizations, government entities, and private businesses, collect and care for objects of cultural, artistic, scientific, or historical interest and make their collections or related exhibits available for public viewing. Museums that exist only in cyberspace or on the Internet (i.e., virtual museums) are not included.

When I was in college back to 30 years ago, when video games, internet and web surfing are in their infancies, physically visiting museums was a big deal. That being said, museums in metropolitan area, such as Chicago, New York and Washington D.C., still draw a lot visitors, especially during the weekend. In contrast, museums in Ohio, except National Museum of the United States Air Force located in Dayton (https://en.wikipedia.org/wiki/National_Museum_of_the_United_States_Air_Force), few museums are known even for most people who even live in Ohio. In searching for a project for Applied Data Science Capstone, I feel it is useful to explore what museums in Ohio and what they may offer.

The target audience will be the people who be general public who are looking for summer getaways and interested in the history and cultures of Ohio. Visiting museums in rural area could be nice ways to accomplish both

Through on-line searching, there are 468 museums displayed through the state of Ohio and museum guide available for more than 250 museums through internet, <http://www.museumstuff.com/states/OH.php>. In this report, I used data analyses and visualization, including Foursquare API analyses, to analyze a small set of the data.