USER STORY: Search for County

As the user, I want to search for a county and state so I can see the data elements for the county

ACCEPANCE CRITERIA

* From the Results dataset (Eqi\_results\_2013JULY22), display
  + county\_name (column B)
  + state (column C)
  + EQI\_22July2013 (column J)
* Meet Definition of Done

TECHNICAL STORY: Build CI Environment

As a DevOps engineer, I want a Continuous Integration environment so the team can quickly seamlessly test all code changes.

ACCEPTANCE CRITERIA

* Meet Definition of Done
* Continuous Integration environment created
* Successfully running tests

TECHNICAL STORY: Build CD Environment

As a DevOps engineer, I want a Continuous Deployment environment so the team can quickly push tested code to production.

ACCEPTANCE CRITERIA

* Meet Definition of Done
* Continuous Development environment created
* Successfully pushing to production

USER STORY: County Summary View

As a user, I want to see the summary level information for a county that I’ve searched

ACCEPANCE CRITERIA

* Meet Definition of Done
* Summary information for my county (follow wireframes)
  + County name (column B)
  + State (column C)
  + Overall EQI (column J)
* Grid for other Summary tiles
  + Air
  + Water
  + Socioeconomic
  + Infrastructure

USER STORY: Water Summary View

As a user, I want to see the Water summary level information for a county that I’ve searched

ACCEPANCE CRITERIA

* Meet Definition of Done
* Summary water information for my county (follow wireframes)
  + % County suffering drought (avgofd3\_ave, column CZ)
  + Mercury content (mg/L) (W\_Hg, column DG)
  + Arsenic content (mg/L) (W\_As, column DA)

USER STORY: Air Summary View

As a user, I want to see the Air summary level information for a county that I’ve searched

ACCEPANCE CRITERIA

* Meet Definition of Done
* Summary air information for my county (follow wireframes)
  + Nitrogen Dioxide (ppb) (A\_NO2\_mean, column CL)
  + Sulfur Dioxide (ppb) (A\_SOL\_Mean, column CK)
  + Carbon Monoxide (ppm) (A\_CO\_mean, column CN)

USER STORY: Infrastructure Summary View

As a user, I want to see the Infrastructure summary level information for a county that I’ve searched

ACCEPANCE CRITERIA

* Meet Definition of Done
* Summary infrastructure information for my county (follow wireframes)
  + % road that highway (hwyprop, column GS)
  + % roads that are primary streets (ryprop, column GT)
  + Traffic fatality rate (fatal\_rate\_log, column HF)

USER STORY: Infrastructure Summary View

As a user, I want to see the Socioeconomic summary level information for a county that I’ve searched

ACCEPANCE CRITERIA

* Meet Definition of Done
* Summary socioeconomic information for my county (follow wireframes)
  + Median income (med\_hh\_inc, column HK)
  + % unemployment (pct\_unemp, column HO)
  + Violent crime rate (violent\_rate\_log, column HS)

USER STORY: EQI to Percentage Translation

As a user, I do NOT want to see an EQI value but would rather see a percentage

TECHNICAL DETAILS

To determine the equivalent percentage of value ***v*** in an index starting at ***a*** and ending at ***b*** with a step unit of ***d*** see below:

% = position/# of values

position = (v + d –a)/d

# of values = ((b-a)/d)+1

Assumptions: all index values are rounded to 1 decimal and assume a step unit of 0.1

ACCEPANCE CRITERIA

* Meet Definition of Done
  + All index values must map to a percentage