Mockup

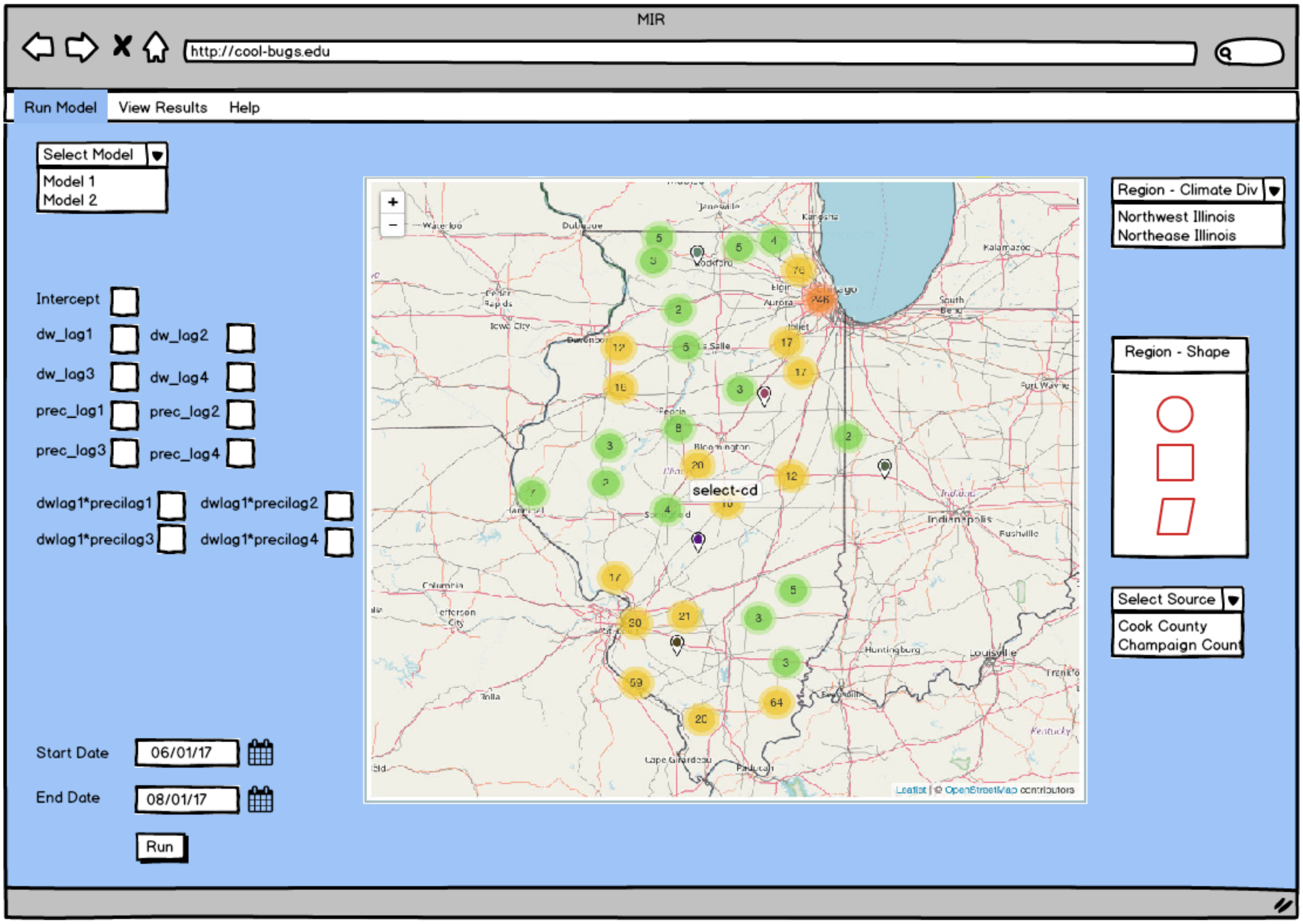
Landing Page

Functions	Data	View	Select
View Input data			
	MIR	• sensors (circles on map) ◦ sensor details - popup by clicking on sensor	• popup by sensor • popup by region
	Weather	• heat map ◦ precipitation ◦ temp	• popup by region
	Weather Forecast	• heat map ◦ precipitation ◦ temp	• popup by region
Run Model			
	Select input data	• primary ◦ region • secondary ◦ source	• opens new tab ◦ ~/view-results

Landing Page

- Circles on Map show groups of sensors by count
- pills show single sensor (click on sensor to view details)

Landing Page showing sensors and sensor groups

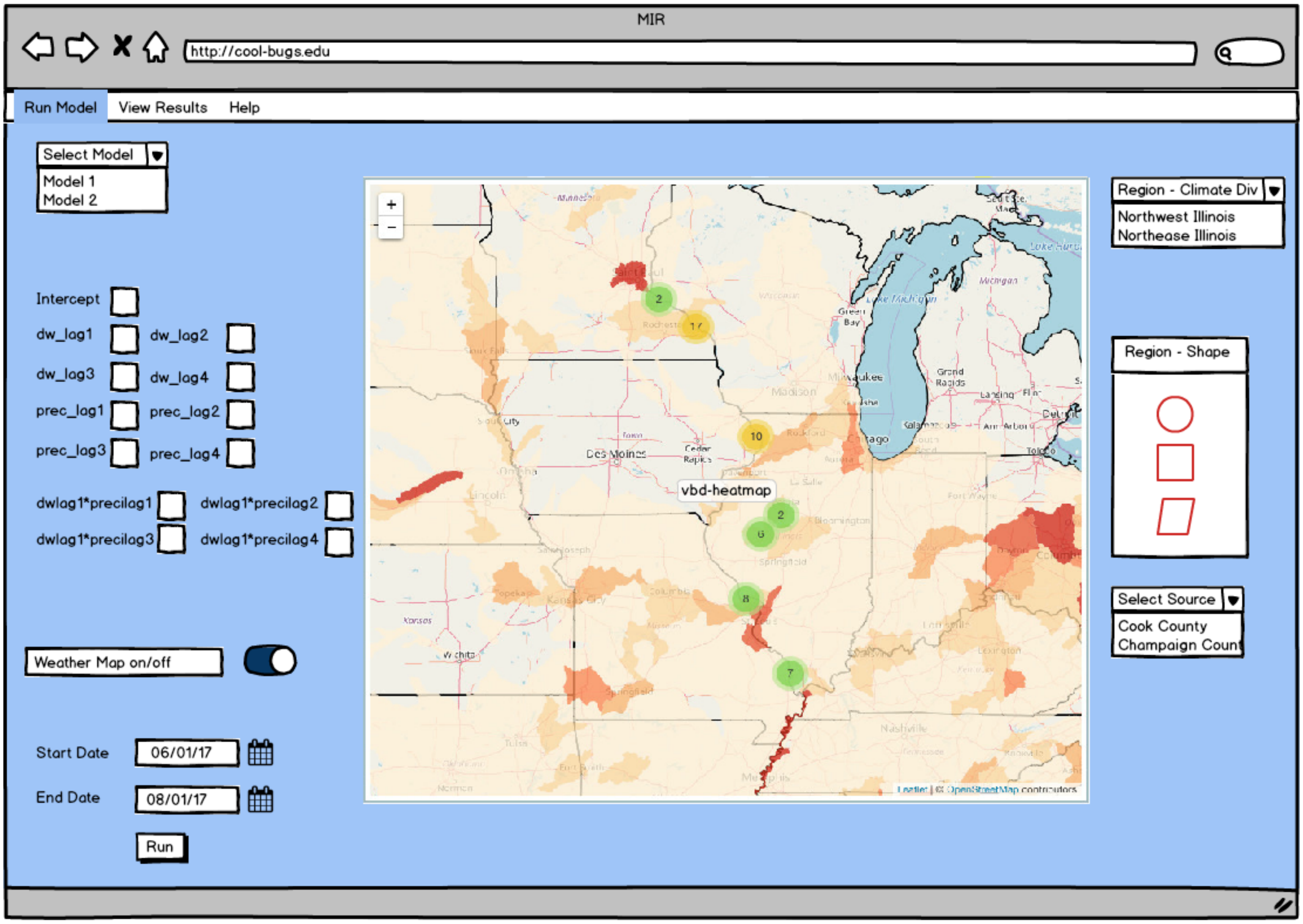

MIR
Run Model
View Results
Help
Select Model
Model 1
Model 2
Intercept ☐
dw_lag1 ☐
dw_lag2 ☐
dw_lag3 ☐
dw_lag4 ☐
prec_lag1 ☐
prec_lag2 ☐
prec_lag3 ☐
prec_lag4 ☐
dwlag1*precilag1 ☐
dwlag1*precilag2 ☐
dwlag1*precilag3 ☐
dwlag1*precilag4 ☐
Run
+
−
select-cd
Leaflet | © OpenStreetMap contributors
Region - Climate Div
Northwest Illinois
Northease Illinois
Region - Shape
Select Source
Cook County
Champaign Count

http://cool-bugs.edu

Start Date 06/01/17

End Date 08/01/17

Landing Page Heat Map



MIR
http://cool-bugs.edu
Run Model
View Results
Help
Select Model
Model 1
Model 2
Intercept
dw_lag1
dw_lag2
dw_lag3
dw_lag4
prec_lag1
prec_lag2
prec_lag3
prec_lag4
dwlag1*precilag1
dwlag1*precilag2
dwlag1*precilag3
dwlag1*precilag4
Weather Map on/off
Run
vbd-heatmap
+
−
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Region - Climate Div
Northwest Illinois
Northease Illinois
Region - Shape
Select Source
Cook County
Champaign Count

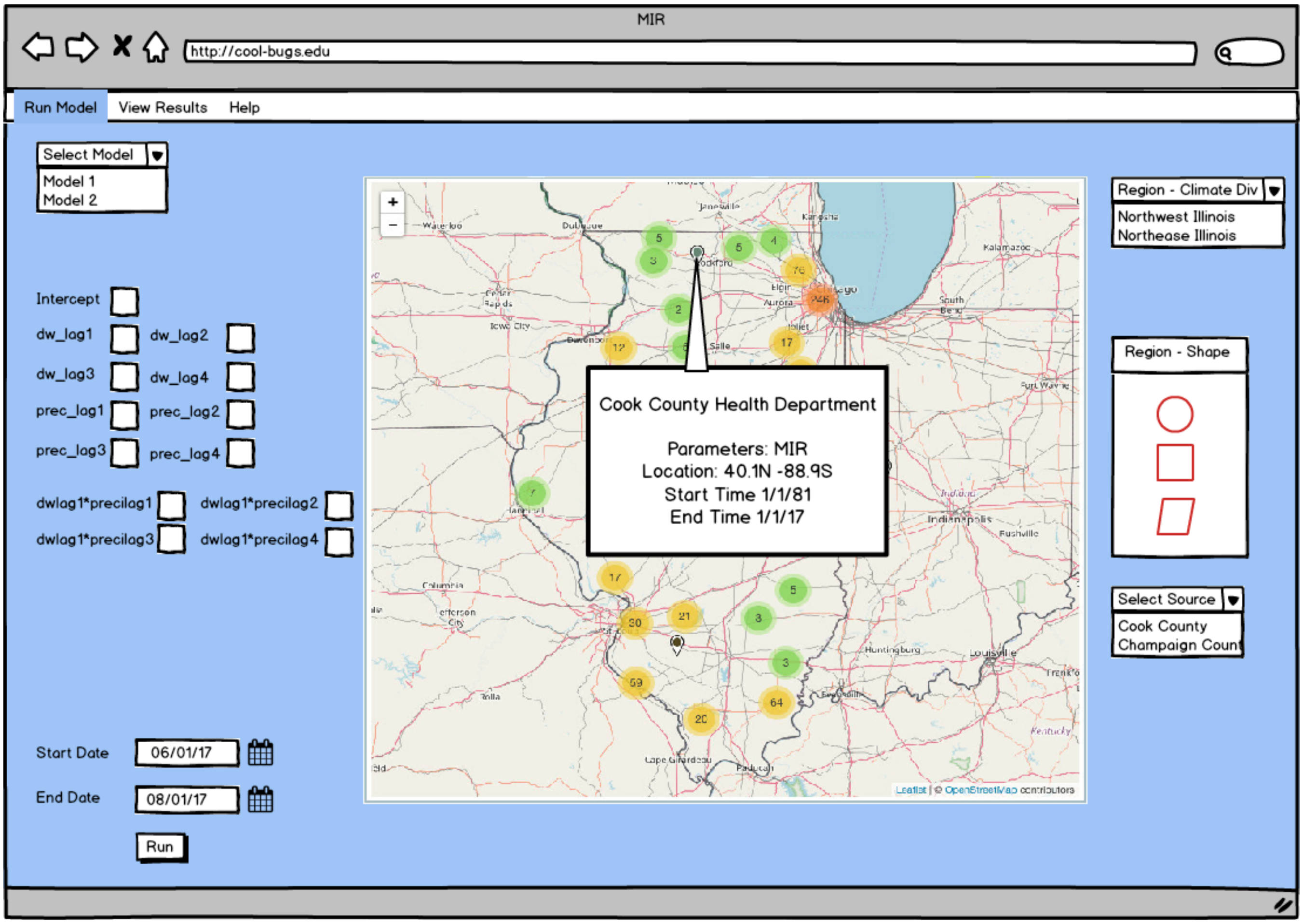
Start Date 06/01/17

End Date 08/01/17

Popup

- shows details of that sensor

Popup of Sensor


MIR
http://cool-bugs.edu
Run Model
View Results
Help
Select Model
Model 1
Model 2
Intercept
dw_lag1
dw_lag2
dw_lag3
dw_lag4
prec_lag1
prec_lag2
prec_lag3
prec_lag4
dwlag1*precilag1
dwlag1*precilag2
dwlag1*precilag3
dwlag1*precilag4
Start Date
End Date
Run
Region - Climate Div
Northwest Illinois
Northease Illinois
Region - Shape
Select Source
Cook County
Champaign Count
Leaflet | © OpenStreetMap contributors

Start Date 06/01/17

End Date 08/01/17

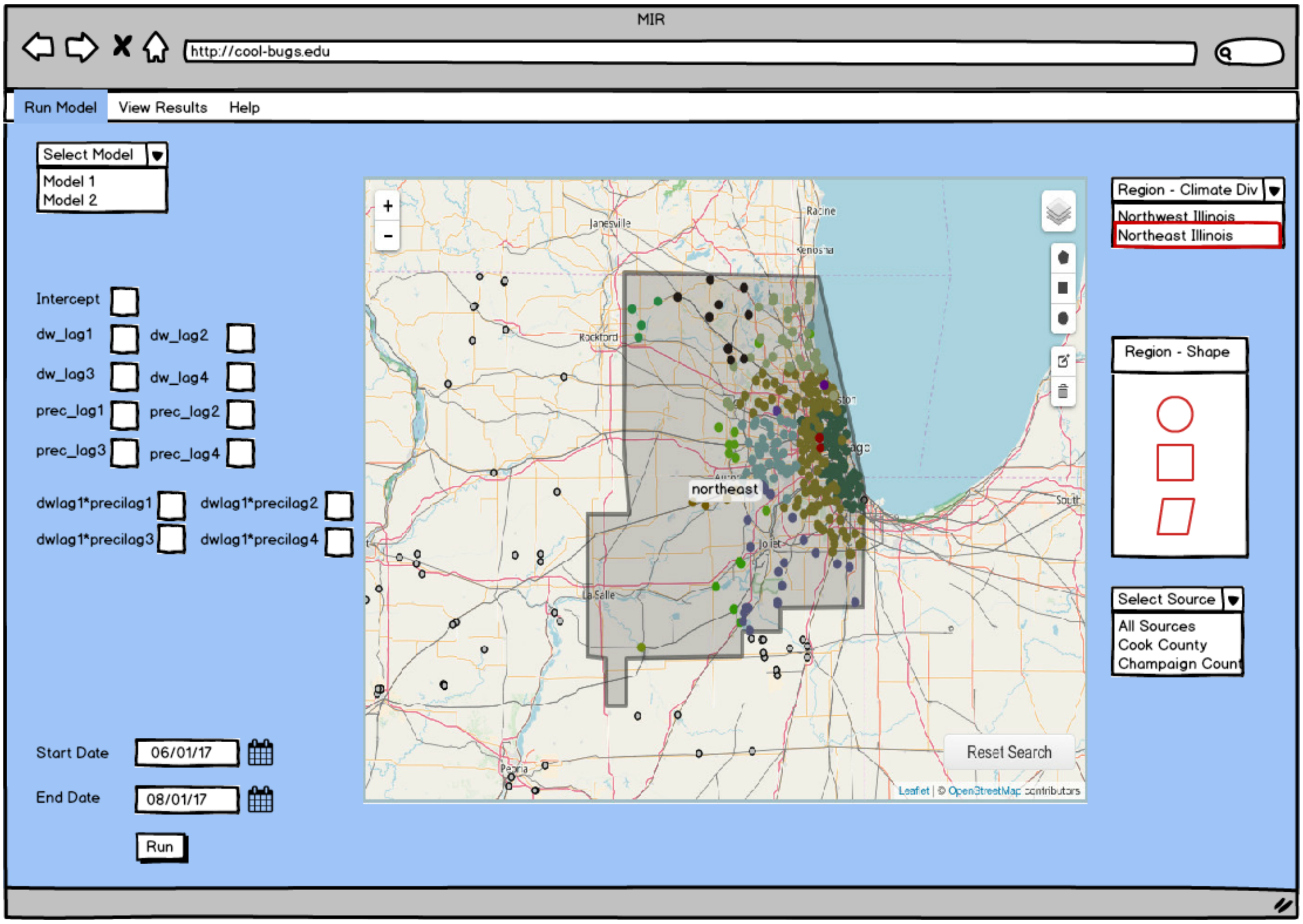
Cook County Health Department

Parameters: MIR
Location: 40.1N -88.9S
Start Time 1/1/81
End Time 1/1/17

Run Model

- select input data
  - primary - region
    - can select by predefined shape (climate division or state)
    - or can use shape tool
  - secondary - source
    - select a source from dropdown
- Select start and end date
- Press 'Run'
- Results show in separate tab (or possibly below map)

Select model region by climate division or state (then select further by source)


MIR
http://cool-bugs.edu
Run Model
View Results
Help
Select Model
Model 1
Model 2
Intercept ☐
dw_lag1 ☐
dw_lag2 ☐
dw_lag3 ☐
dw_lag4 ☐
prec_lag1 ☐
prec_lag2 ☐
prec_lag3 ☐
prec_lag4 ☐
dwlag1*precilag1 ☐
dwlag1*precilag2 ☐
dwlag1*precilag3 ☐
dwlag1*precilag4 ☐
Start Date
End Date
Run
+
-
Janesville
Racine
Kenosha
Rockford
northeast
La Salle
Joliet
Peoria
Reset Search
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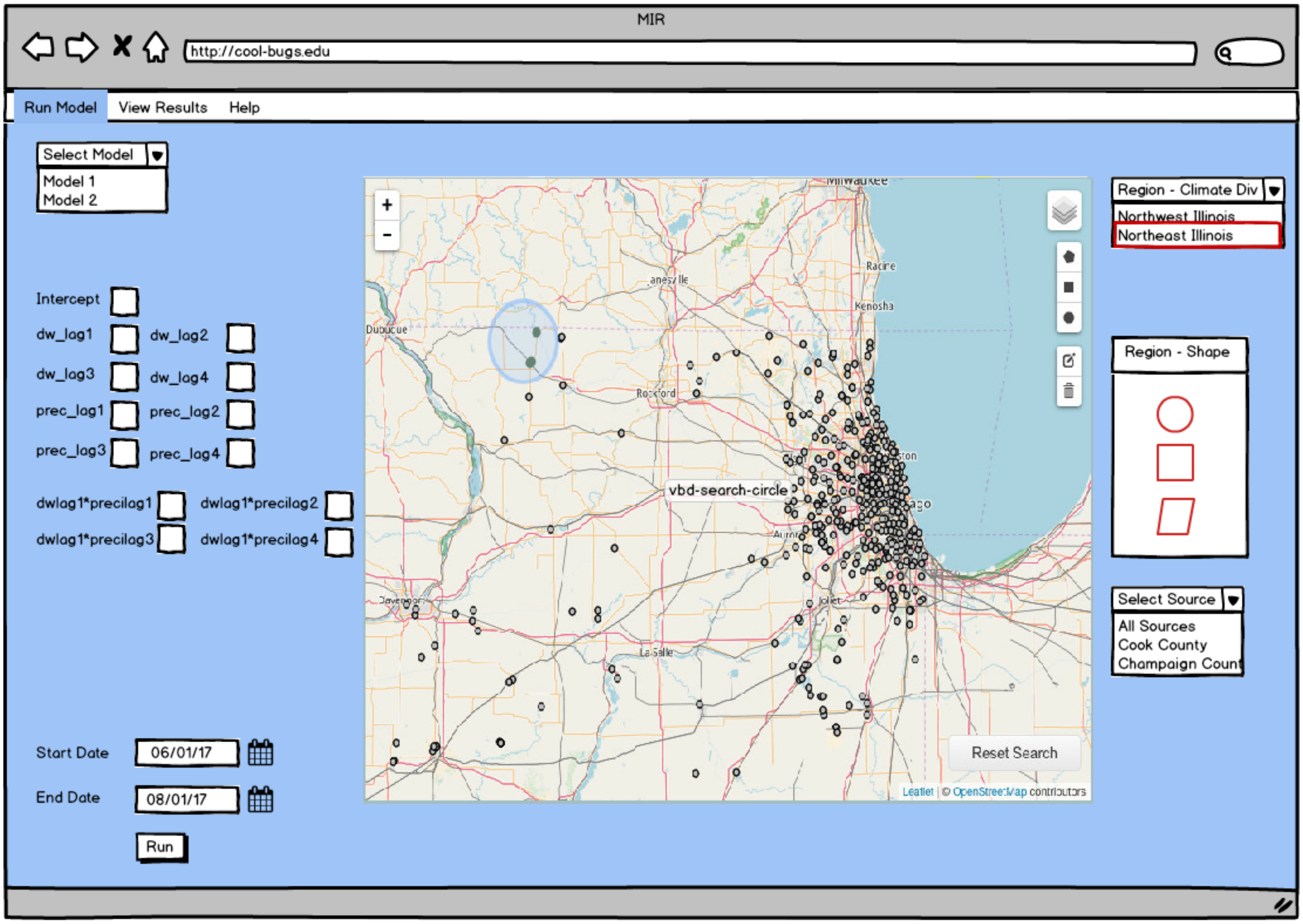
Region - Climate Div
Northwest Illinois
Northeast Illinois
Region - Shape
Select Source
All Sources
Cook County
Champaign Count

Start Date 06/01/17

End Date 08/01/17

Select Model Region with selection tool


MIR
Run Model
View Results
Help
Select Model
Model 1
Model 2
Intercept ☐
dw_lag1 ☐
dw_lag2 ☐
dw_lag3 ☐
dw_lag4 ☐
prec_lag1 ☐
prec_lag2 ☐
prec_lag3 ☐
prec_lag4 ☐
dwlag1*precilag1 ☐
dwlag1*precilag2 ☐
dwlag1*precilag3 ☐
dwlag1*precilag4 ☐
Run
vbd-search-circle
Reset Search
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Milwaukee
Racine
Kenosha
Janesville
Dubuque
Rockford
Aurora
Joliet
Davenport
La Salle
Region - Climate Div
Northwest Illinois
Region - Shape
Select Source
All Sources
Cook County
Champaign Count

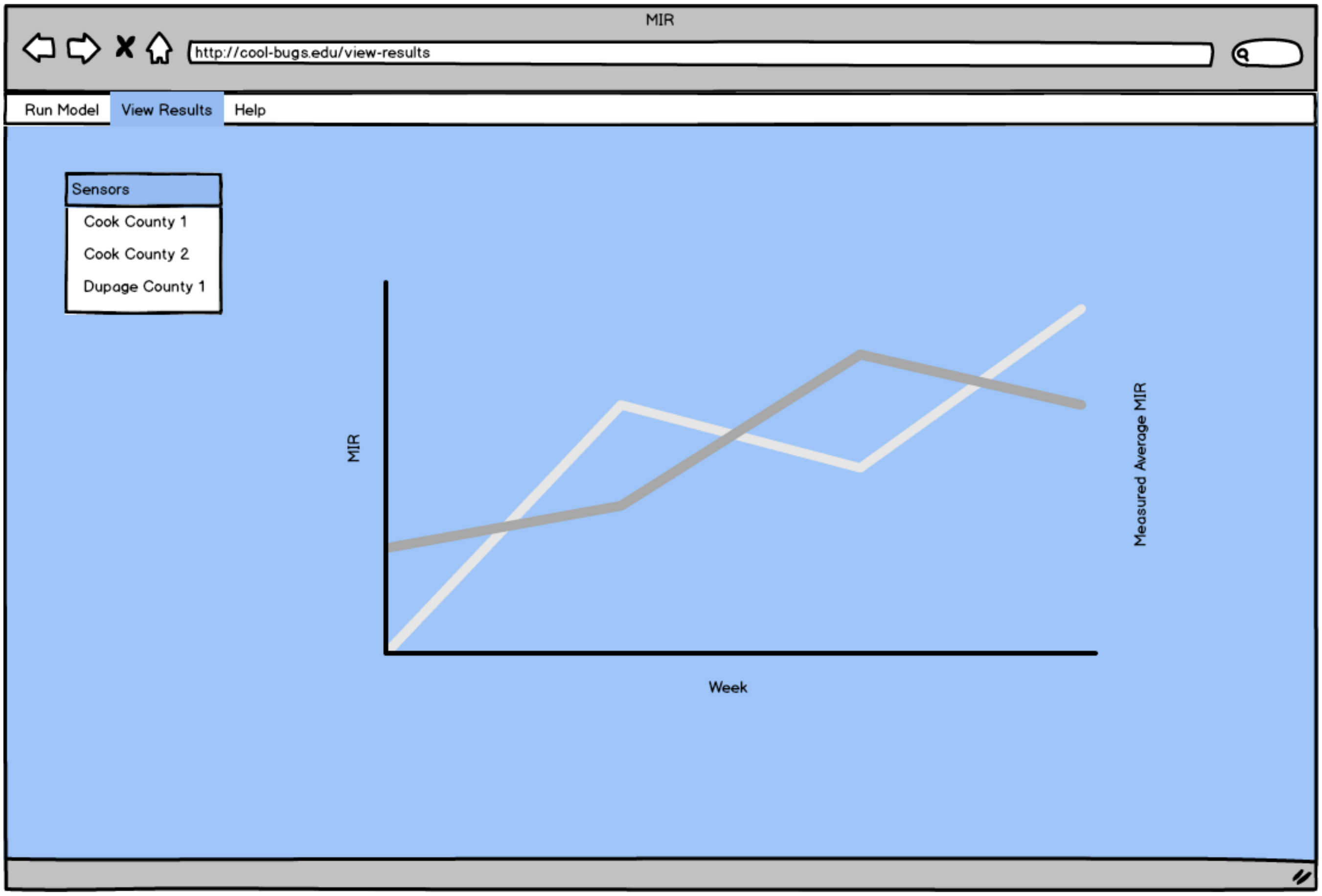
http://cool-bugs.edu

Region - Climate Div: Northeast Illinois

Start Date: 06/01/17

End Date: 08/01/17

View Results


MIR
http://cool-bugs.edu/view-results
Run Model
View Results
Help
Sensors
Cook County 1
Cook County 2
Dupage County 1
MIR
Measured Average MIR
Week