**Chapter 4. System Design**

**4.2 System data and database design**

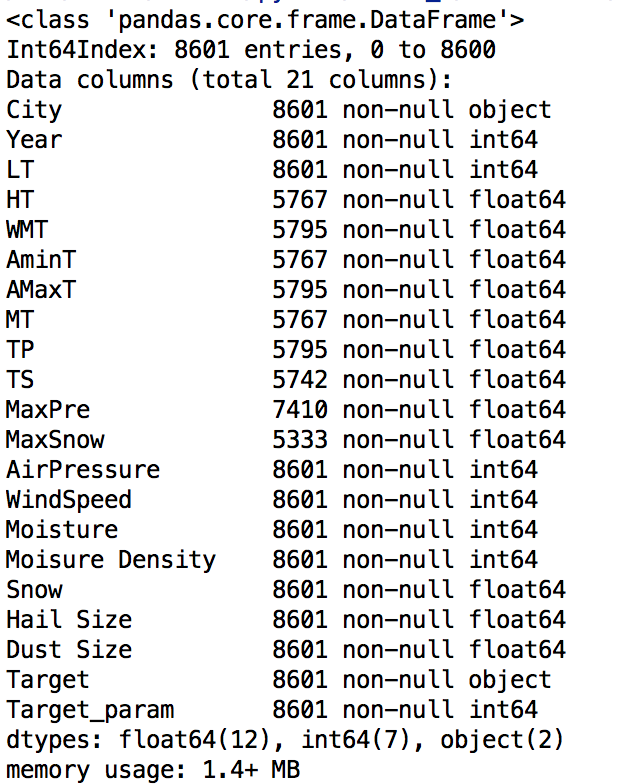


Fig: modified\_weatherDF.info()

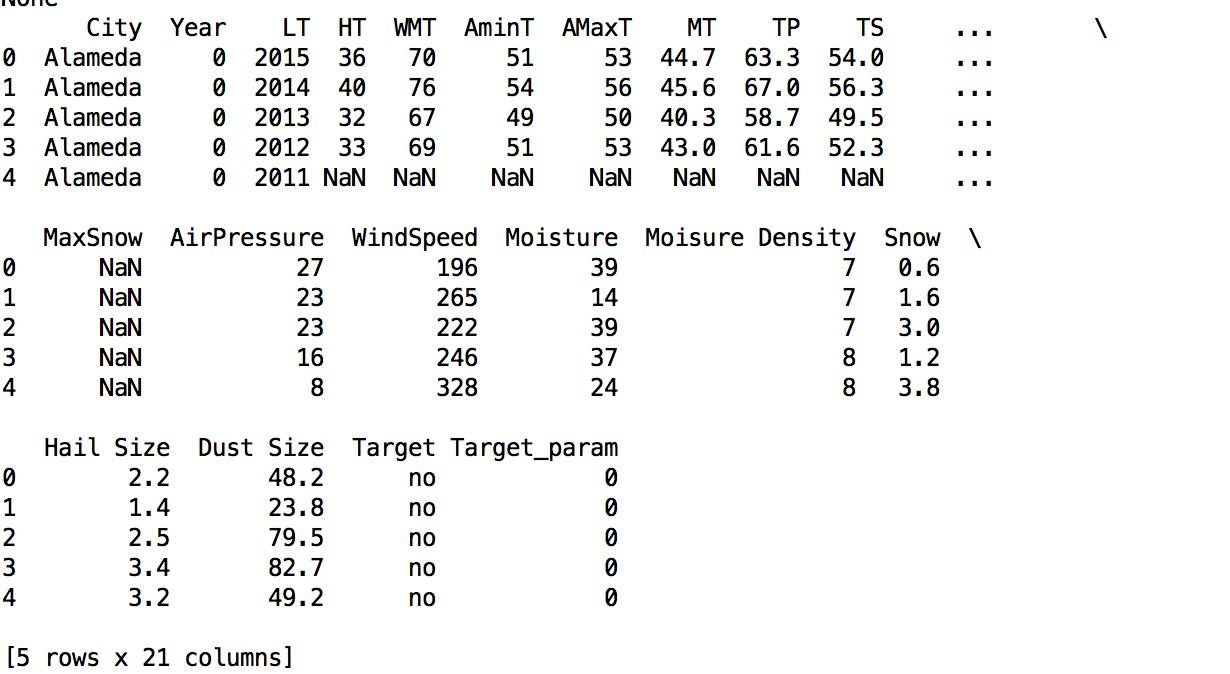
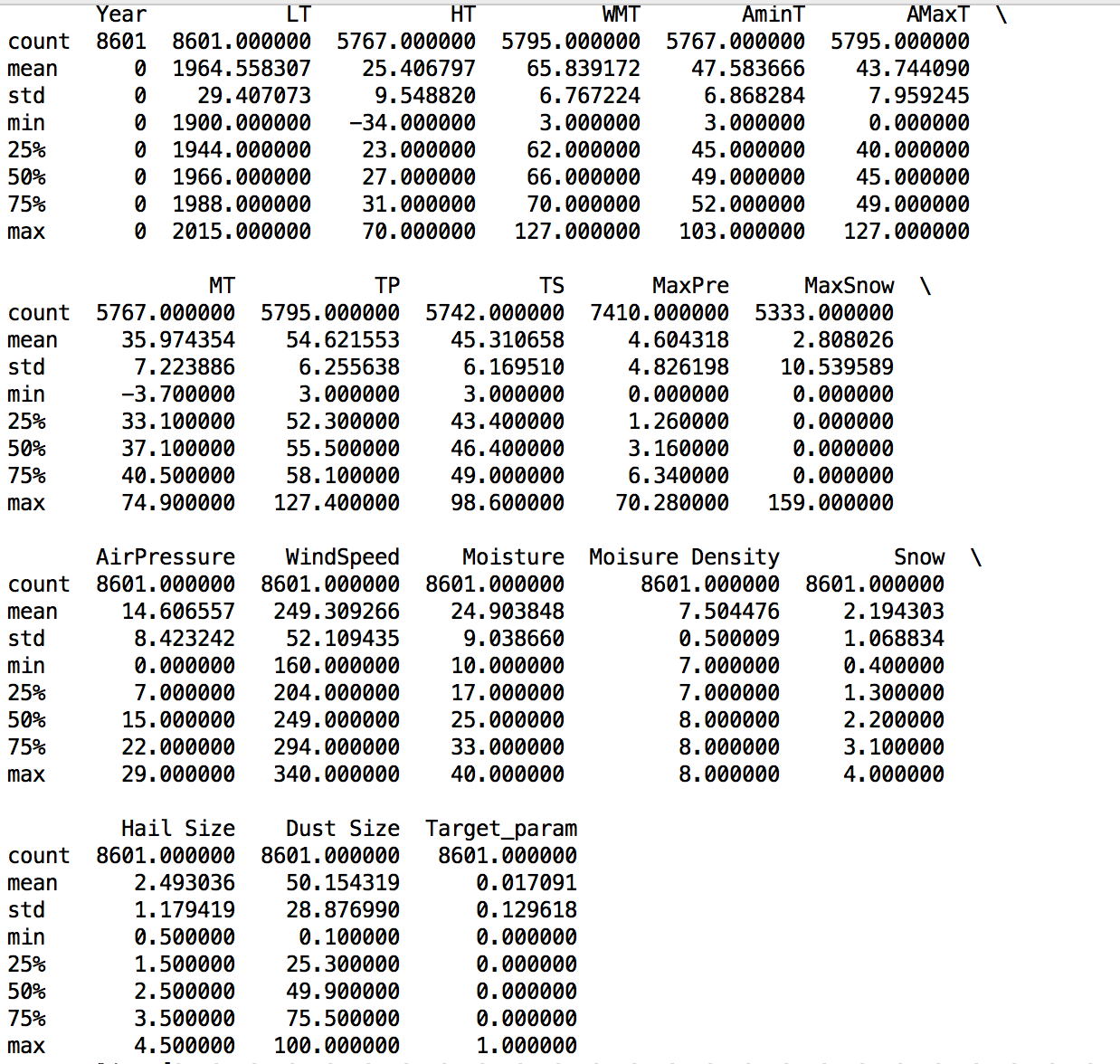
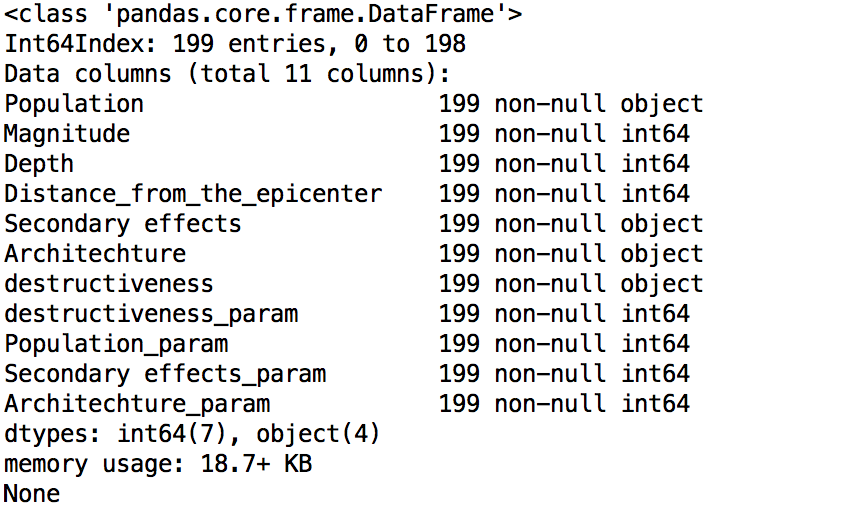
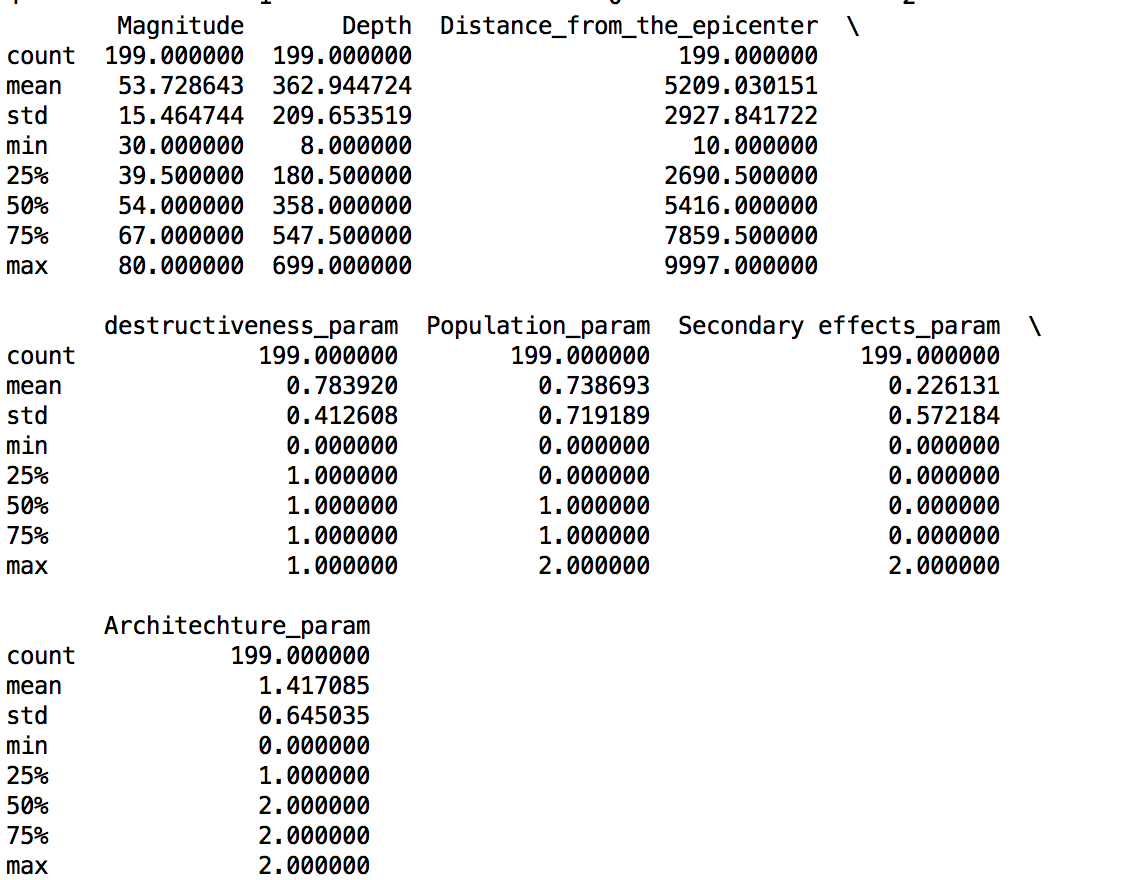


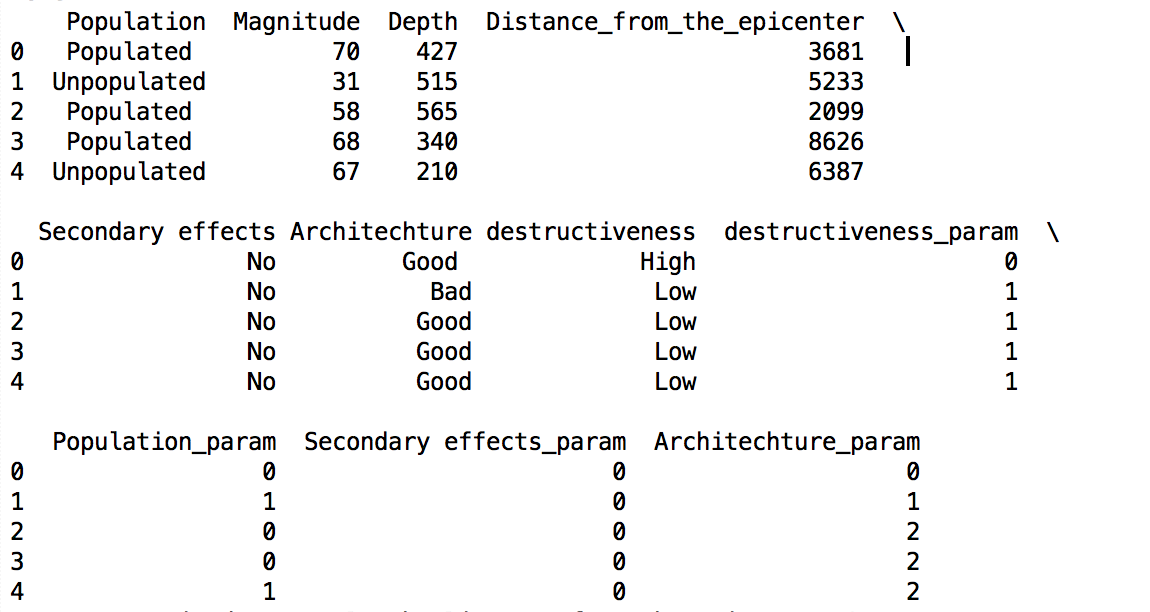
Fig: modified\_weatherDF.head()

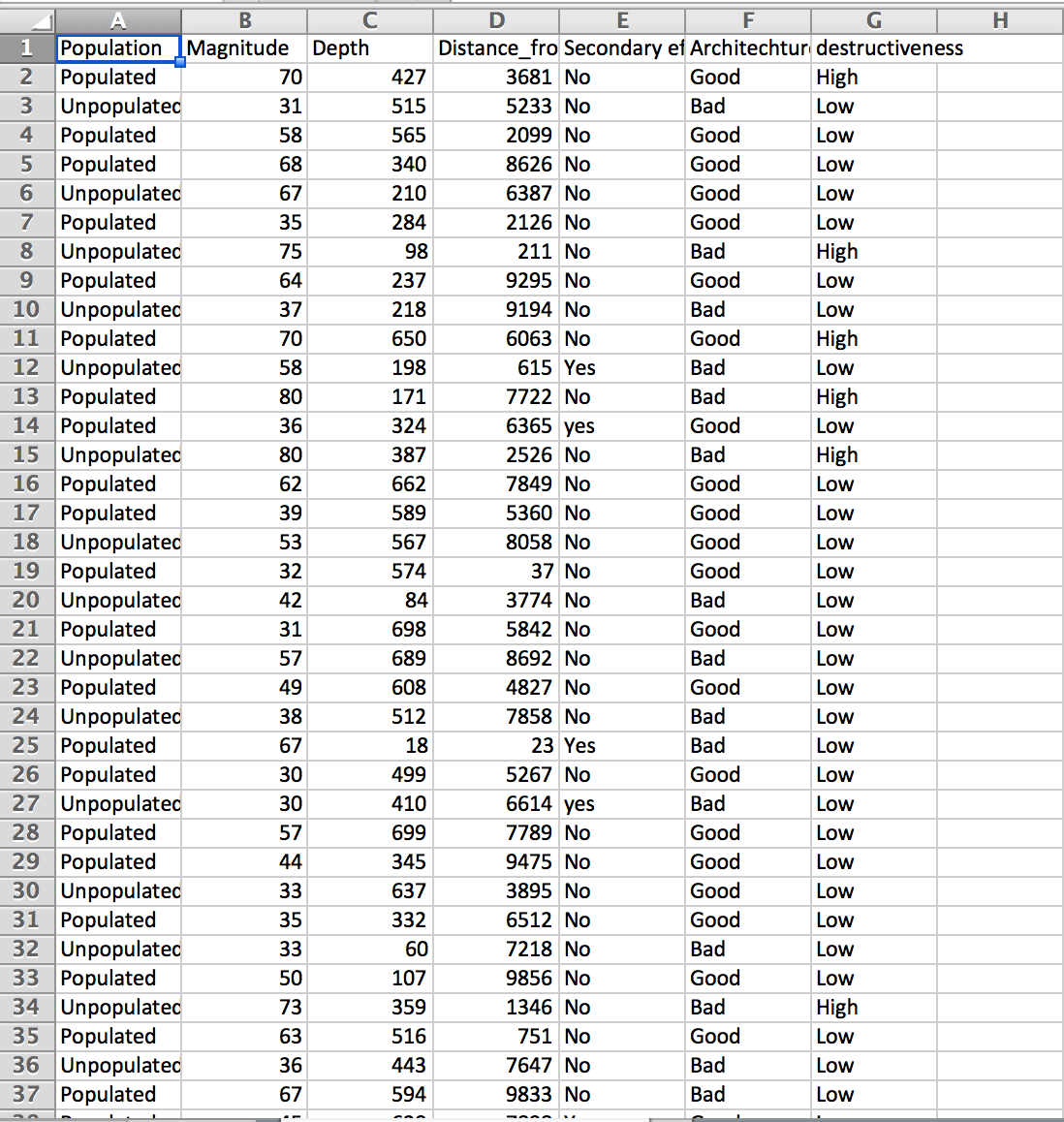


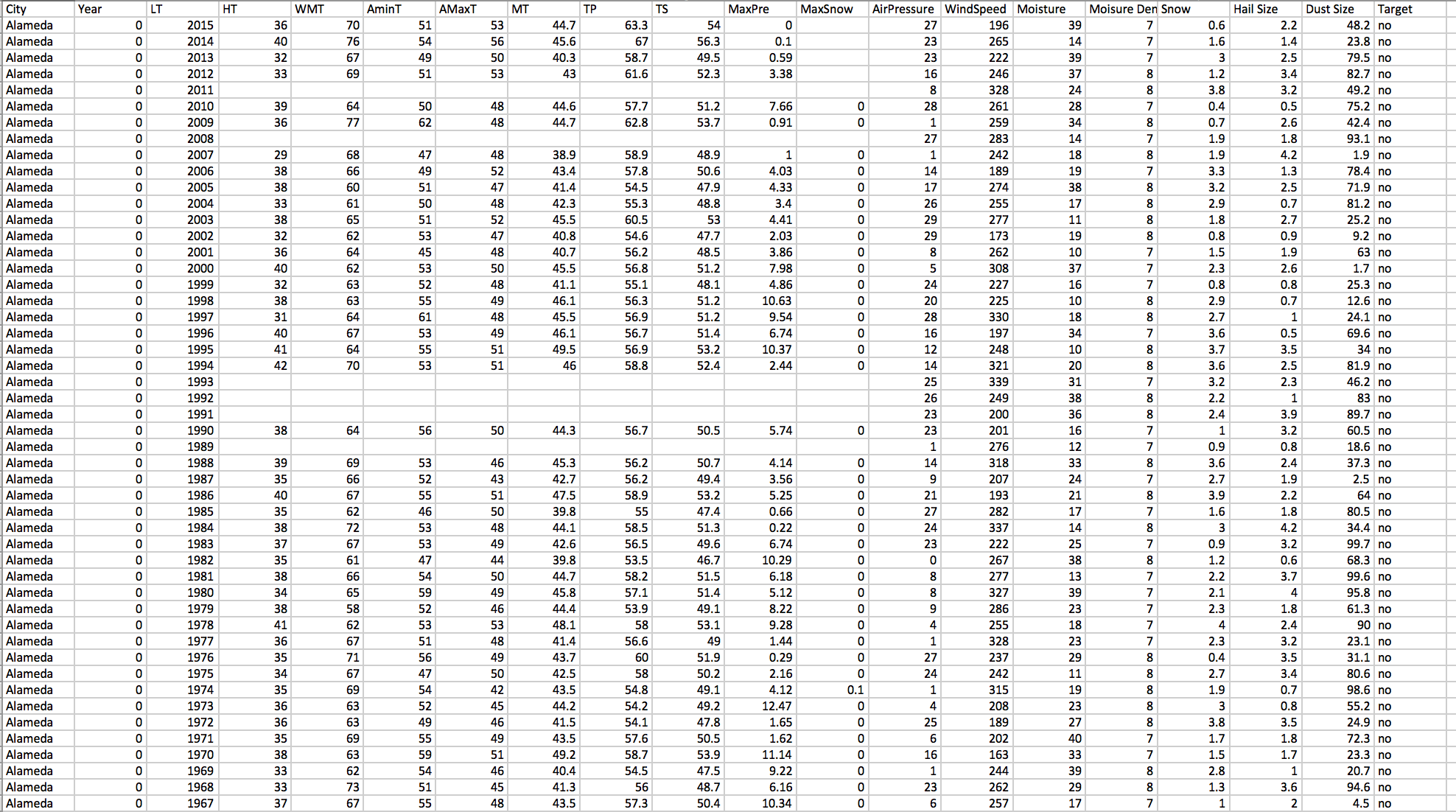
modified\_weather\_df.describe()











4. 3. System Implementation and Connectivity design

Discuss with vinay

4.4. System User Interface Design

Screenshots of the application

4.5 System API Design and logic design

I think, It doesn’t apply to our project

5. System Implementation

5.1. System Implementation Summary

5.1.1 System Design

* Completed %: 100%
* Open issues: No Issues
* Recommended solutions: NA

5.1.2 System Implementation

* Completed %: 90%
* Open issues: Integration in progress, Apache Spark Features implementation
* Recommended solutions: All the team members working to integrate their component as a system

5.1.3 System Testing and Experiment

* Completed %: 70 %
* Open issues: Performance testing and Regression Testing
* Recommended solutions: Selenium, Apache Jmeter and pytest will be used for testing. Team members will verify the end to end flow

5.1.4. Demo

* Completed %: 80%
* Open issues: Apache Spark Features and connecting php with python
* Recommended solutions: Team members are working on the flow to make it work.

5.2. System implementation issues and resolutions:

While developing the project we faced quite a few issues, some of them are mentioned below with their resolution.