

## INFM 600 Team Project Work Plan

Component	Comments	Worth	Given
Does assignment conform to formatting requirements & has it been checked for spelling & grammar?		1/5	1
Does work plan identify which data set is the focus, articulate the research questions, & specify the audience for the analysis?	see note - no refs	2/5	1.75
Does work plan include a timeline for project completion?		1/5	1
Does the work plan include a projected effort allocation?		1/5	1
Is there a diagram or Gantt chart?		+ 1	1

Total: 5.75

## General Comments:

Good overall - timeline is missing a few major deadline items so it won't be all that helpful without more detail. You'll need to get a little more specific with your questions & consider focusing on trends to date rather than prediction per se (which is a lot more complex)



## WORK PLAN

National Weather Service field office gathered data regarding tornado occurrences and their effects from 1950 – 2015 through all states within the United States. We have combined this data set with information regarding state specific agricultural exports in the United States, and aim to answer a few interesting research questions. The data sources for the agricultural exports are the USDA Economic Research Service and the USDA Foreign Agricultural Service.

*should include cites to  
& references for each  
data set!*

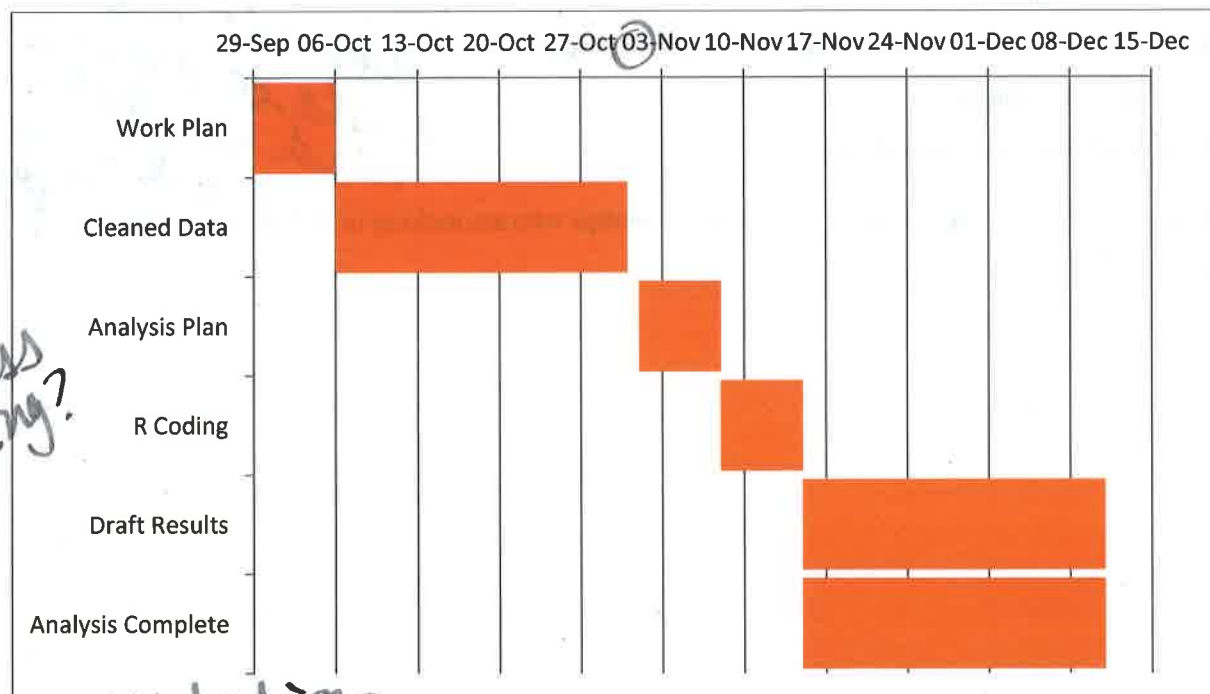
### Research Questions:

The following are the research questions we aim to answer through this study:

1. What is the probability that there will be an increase in tornado occurrence in 2017? *> where?  
compared to  
what?*
2. What is the probability that a tornado occurrence will reduce the agricultural exports in USA in the year 2017? If there is a reduction in the export, how large will the reduction be? *rather than  
predicting,  
maybe  
report on past  
trends*
3. Which are the agricultural products that are relatively safer to grow in tornado prone areas? *not sure if you'll be  
able to answer this as  
stated*

### Planned Timeline:

We have strategically determined the activities our team would accomplish against strict timelines. The GANTT Chart below clearly depicts this:



*progress  
meeting?*

*presentation  
prep?*

*(more  
feasible)*

**Project Effort Allocation:**

Each member in the team will contribute equally through the course of this project. We have divided the specific tasks to be completed and determined whether they would be done individually, or together as a group.

Task	Individual/Team Contribution
Work Plan	Team members will work together to determine the research questions
Data Cleaning	Team members will work together to determine what data we will include/exclude and clean the data
Analysis	Each team member will analyze one research question and share his/her findings through Github. Team members will review the work of each other and add inputs.
Results	Each team member will document the results based on his/her analysis
Presentation	Each team member will present an equal portion of the project

**Target Audience:**

The results of our analysis would be beneficial to a number of organizations across the country, some of which are listed below:

1. United States Department of Agriculture
2. National Institute for Occupational Safety and Health
3. Insurance Companies
4. Food Manufacturing Industry

Furthermore, the study might benefit other research groups who are looking to find answers in the same field.

Word Count: 355