Hours Project Overview:

This is a simple project, but one that I have used in production in my current position. In ISNetworld, one of our qualification databases, we need to tell them how many hours we worked for each company and list how many people worked there.

The data given is a sample of what I work with every month. The employee and company names have been changed to protect company property privacy. The sample is also only about 100 lines long, where as the production project usually contains around 15,000 lines. I previously had to filter the sheet and total up the hours column for each company, which took me between 4 hours and a full day. This version, allows me to get it done in a few minutes.

# What I did:

* Added a column that concatenates the company name and work state, some subsidiaries of our company work for the same client in different states and this information needs to be tallied separately.
* Counted the number of unique names for each company so that I could summarize them in the pivot table to get a head count.
* Added a pivot table
  + Filtered it by the pay type so we only get data from employees that are working onsite.
  + Added in a column for the sum of the hours worked by company.
  + Added in a column for the head count of employees that worked for that company.

# Why these tools were chosen:

Excel was chosen because it was the fastest way to get at the data and analyze it. The only access that I have to the database is to export it as an excel document, so uploading it into a separate database just to get a summary would take more time that I would save. This is a task that only needs to be done once a month, so there is little use in automating it beyond reusing the pivot table and formulas.