***Aleksey Kramer***

***Data Visualization 100***

***Homework 3***

1. Find a dataset that includes either a rate, ratio, percent or proportion.

*Dataset is attached to the submission.*

1. Create a visualization using this dataset (static or interactive).

*Visualization can be accessed using this link:* [*https://public.tableau.com/profile/aleksey.kramer#!/vizhome/PartTimeFullTimeAirlineEmployeesin1989/Sheet1*](https://public.tableau.com/profile/aleksey.kramer#!/vizhome/PartTimeFullTimeAirlineEmployeesin1989/Sheet1)

1. Write a single paragraph describing an imaginary user, their task, why the visual encoding that you created supports that task, and how the system needs to work to be effective.

Hypothetical user of this visualization could be a HR management assessing allocation of part-time employees versus full-time employees at an airline in 1989. Normally, part-time positions were not providing with the same level of benefits as full-time positions. Thus, having the right balance between full-time and part-time employees could save company money. This visualization provides an overview of what the trends were (if any) in the airline industry when it came to offering part-time positions.

Thinking further, the financial data, if available, could greatly supplement this visualization by providing various financial statistics and relating that statistics to part-time/full-time employment allocations.