

Review Report: a4-navya-shabbir-yu

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Reviewee: navya-shabbir-yu

Code Repository: <https://github.ccs.neu.edu/pdpmr-f17/a4-navya-shabbir-yu/>

The commit id reviewed is 90c2a8a0539fb86752f1bd320e9f150282f48fbd.

R Markdown Report Review

- Report committed before Friday 2pm on Oct 13th, 2017 has only graphs.
- The report shall have a proper structure for better flow of information and readability. Current version seems to have a lot of clutter here and there and that dwarfs some key insights.
- Including formation on experiment goal and conclusion can be helpful to reader.
- The report lacks the solution implementation details. High level overview of the solution design could have been helpful.
- The experiment setup and execution time details are missing.
- Unnecessary as shown below data/warnings shall be omitted.

```
##      keyCode key1 key2      date      delay delayFreq flightCount year
## 1599         1  ATL   9E Apr 2010  7.10924150        120        402 2010
## 1612         1  ATL   AA Feb 2010  2.13109300         43        257 2010
```

```
## Warning: Removed 2 rows containing missing values (geom_bar).
```

- The graphs lack description and analysis.
- Airlines and airports are not readable as their codes/abbreviations are used.

Java Code Review

- Class CSVFlightDataParser has commented code. It shall be removed.
- Method validateRecord of FlightStatsMapper uses checks empty sting as shown below for all string checks.

```
if (f.get("ORIGIN").toString().equals("")) return false;
```

This can be optimized using isEmpty() method of String class as follows.

```
if(f.get("ORIGIN").toString().isEmpty()) return false;
```

- Missing column type validation for string columns. There are records with dest is 32575. Such noise will not be removed.
- Overall the code is well written, commented and easy to read. It seems a considerable amount of effort has been put into following the coding conventions mentioned in the class.