Introduction

The objective of this research is to analyze the trends in quality and performance of US airlines over the past ten years and determine what economic factors influence the level of service. By identifying variables that directly affect the level of performance using data from Airline Quality Rating (AQR), service benchmarks for the airline industry can be established.

Background

- Industry standard is set by AQR providing consumers and industry watchers objective performance-based data to compare performance quality among different US airlines.
- Data used in this research are readily available from the Department of Transportation.
- Both airports and airlines suffered from economic factors including spikes in jet fuel prices and the recession.

Methods

- Analyzing the data over the past ten years (2004-2013), this research will utilize the application of a comparative trend analysis methodology.
- This will provide a way to track the ebbs and flows of the quality of service provided by airlines and the ability to develop theories explaining the shifts in data.

AQR Criteria & Weights

- On-Time (OT), Weight- 8.63
- Denied Boarding (DB), Weight- 8.03
- Mishandled Baggage (MB) Weight- 7.92
- Customer Complaints (CC) Weight- 7.17
  - Flight Problems, Over sales, Fares, Ticketing, Refunds, etc.

Airline Quality Ratings 2004-2013

<table>
<thead>
<tr>
<th>Year</th>
<th>Industry Average</th>
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<tbody>
<tr>
<td>2004</td>
<td>-1.38</td>
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<tr>
<td>2005</td>
<td>-1.73</td>
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<tr>
<td>2006</td>
<td>-1.87</td>
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<tr>
<td>2007</td>
<td>-2.16</td>
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<td>2012</td>
<td>-1.07</td>
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<tr>
<td>2013</td>
<td>-1.07</td>
</tr>
</tbody>
</table>

AQR Trends Among Airlines

- Air Tran
- American Eagle
- SkyWest
- JetBlue

Conclusions

- The graph shows a dip in the airline quality weighted average in 2007 and 2008 which parallels the recession the economy suffered in this past decade.
- This shows that economic factors have an influence over the quality of service perceived by the consumer according to the data provided in AQR.

Selected References


Future Direction

- The next steps include continuing research on the economic factors that could contribute to the decline in Airline Quality Ratings and identify best practices the airlines have incorporated to avoid suffering the economic downturns.
- Through the collected data and analysis, airlines, government entities and the traveling public will be able to make better decisions, implement policies and develop best practices.