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Background

Transportation contracts are made for a period of 1-2 years, making them irrelevant to the market dynamics, resulting in :

- **Rejection of loads by carriers**
- Higher % of loads going to spot market
- Increased cost & reduced service levels



Hypothesis

Index based contract pricing will lead to better service levels and reduced expenses.

Relevant Literature

- Kim, Y. J. (2013). Analysis of truckload prices and rejection rates
- AT Kearney. (2018). CSCMP's Annual state of logistics report
- Caplice, C., & Sheffi, Y. (2003). Optimization-based procurement for transportation services

Alternate Pricing Models for Transportation Contracts





January 2019 Poster Session

Initial Results

- 60% higher rates in spot market vs contract rates for 2016-2018
- **Carrier reservations on market index adequacy**



Expected Contribution

Rakesh Thykandi

- Lane level index price reflecting the market conditions
- Simulation of past tenders to estimate potential savings
- Improved relationship between shipper and carriers





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