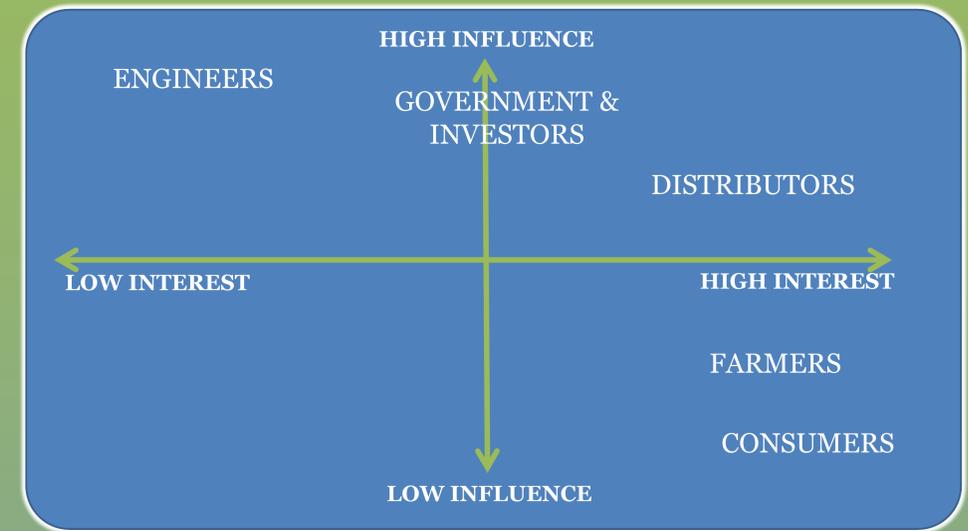


What is the future of India's food supply chain efficiency as it relates to trends and changes in demographics, politics and foreign investment?

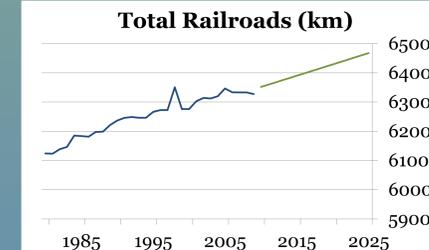
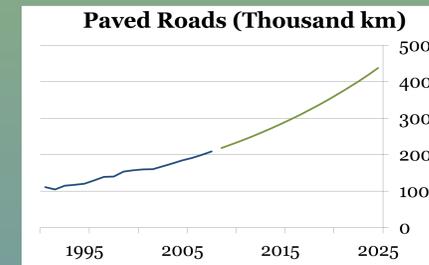
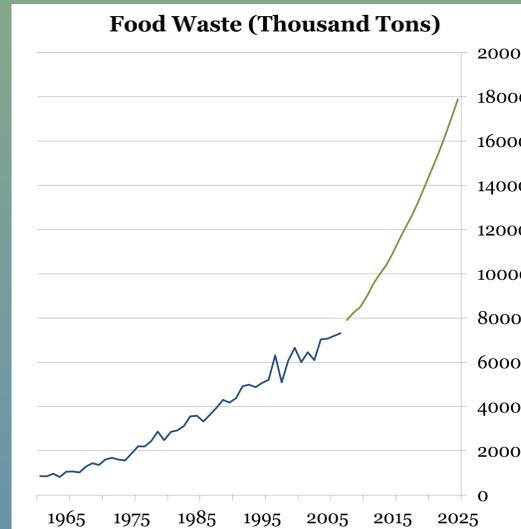
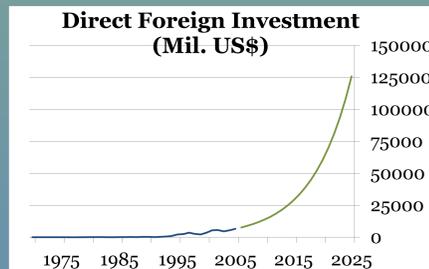
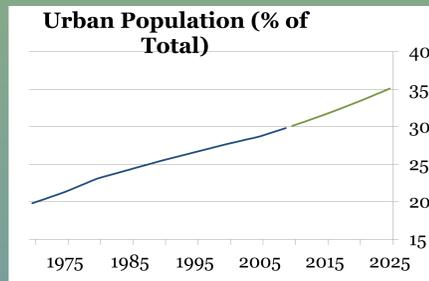
Duggan Everage, Jessica Fay, Ana Filipac, Sydney Speltz, Diana Wellman

Abstract

The purpose of this report is to identify changes and trends relating to food supply chain efficiency in India as indicated by food waste. An analysis of food supply chain efficiency found that the main cause of food waste resulted from poor infrastructure, particularly roads and railways. Through research of the current state of agriculture in India, demographics, politics, and foreign investment were found to be important drivers of infrastructure change. Thus, the focusing question is: "What is the future of India's food supply chain efficiency as it relates to trends and changes in demographics, politics and foreign investment?" By examining this question, this report presents an expected future scenario, should trends continue into the future without change, along with four alternative scenarios, which result from disruptions in the current trends. A baseline forecast of tons of food waste predicted an exponential growth of food waste in India until 2025. Contributing to the food waste were various metrics of infrastructure and food demand along with immeasurable factors such as governmental ineffectiveness. Based on these scenarios, an increase in government actions as well as foreign investments leads to a preferred growth scenario while a lack of government action and low foreign investments creates a chaos scenario. The report ends with an analysis of business opportunities and ethical considerations associated with each of the possible future scenarios presented.



<http://www.flickr.com/photos/jasonwallis/3445738415/sizes/m/in/photostream/>



<http://www.exploration-online.co.uk/article.php?id=400>

Alternative Futures

Fit for a Feast Growth Scenario

- Expansion and development
- Better roads and railways
- Government is a catalyst for improvement
- Increased demand for workers and engineers

Restricting the Revolution Constraint Scenario

- Government initially ineffective in influencing change
- Indian entrepreneurs improve supply chain
- Incremental increases in infrastructure

Rickshaws to Riches Transformation Scenario

- Cooperation with government and investors
- New supply chains made
- Lags in improvement
- Extensive research to solve supply chain problems

Food Fight Collapse Scenario

- Social and government instability
- Lack of governmental action
- Food deserts
- Skyrocketing food prices
- Extra layers in farm-to-market process



<http://sagarkatdare.wordpress.com/2010/06/30/indian-agriculture-in-overview/>



Source: dalje.com

Business Implications

Fit for a Feast Growth Scenario

- Job creation
- Transformed government
- Increased investment
- New technology
- Sustainable development

Restricting the Revolution Constraint Scenario

- Improved agriculture technology
- Organic crops
- Reduced emigration

Rickshaws to Riches Transformation Scenario

- Introduction of supply chain specialists
- Decreased "Brain Drain"

Food Fight Collapse Scenario

- Grassroots movements to improve infrastructure
- Cooperation between private sector and industry