

TRAFFIC AND CAPACITY ANALYTICS FOR MAJOR PORTS

ABSTRACT

Ports serves as an important link in global supply chain. The Indian railways has a capital base of about Rs.100000 crores and is often referred to as the lifeline of the Indian economy because of its predominance in transportation of bulk freight and long distance passenger traffic. Data analytics can be used for analysing the port performance.

In this project, the port capacity topic was addressed through cognos analysis. Reducing the congestion on rail corridors and improving port connectivity. Railways have also stepped-up developmental efforts and are preparing themselves for an even bigger role in the future. So, data analytics plays the major role in this project.

LITERATURE SURVEY

In this study, the port capacity topic was addressed through content analysis. Content analysis is a research technique that allows categorization of the text and can be repeated with the purpose of the research. With this technique, words in a text can be categorized as more specific word groups. Thus, the data obtained through literature review can be well-understood and the concept can be investigated more comprehensively. Systematic literature review in this study adopts Seuring and Gold approach which consists of four steps, namely (i) data collection, (ii) descriptive statistics, (iii) category selection, (iv) data evaluation. The data collection process explains the

determination process of keywords, topics, and scope of the journal, descriptive statistics include the related statistics of the port capacity literature, category selection indicates the inductive and deductive category building that subjected to the analysis. Finally, the data analysis section includes the iterative codes and the sub-categorization of these codes.

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