

Teaching Case

100 Million Doses in 100 Days: Analyzing the COVID-19 Vaccination Supply Chain

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Abstract

With the impactful nature of the COVID-19 pandemic, this manuscript describes a teaching case for COVID-19 vaccinations to develop student's knowledge of analytics and supply chain management. The experiential learning activity is developed in the context of an undergraduate upper-level course on descriptive analytics and data visualization. The contributions of this teaching case are an experiential learning activity applied to a real-world current event and an experiential learning activity that allows students to apply and develop their course knowledge. The overall case objectives are to assess the 100 million doses in 100 days US vaccination goal capability and offer additional vaccination supply chain insights and recommendations to policymakers based on the analysis. The COVID-19 pandemic can be utilized as a real-world case study for teaching the next generation of analytics leaders and supply chain managers through an applied vaccine distribution and data analysis scenario.

Keywords: COVID-19, Data Analytics, Visual Analytics, Supply Chain Management, Experiential Learning, Teaching Case

A full and updated manuscript may be found at <https://isedj.org>