DS 740

Final Project

Over the past 20 years, the U.S. Army Corps of Engineers Rock Island District Navigation and Operations section has been tracking dredging events within the Mississippi River and Illinois Waterway. Dredging and the maintenance of a navigable channel is one of the key missions of the Rock Island District. To best allocate resources and funding towards the efficient operation of dredge plants. A better understanding of dredge quantities along the river is crucial. Predicting dredge quantities internal dataset, coupled with historic river gauge readings, will be used to model the volume of dredge material based on forecasted river gauge elevations and flow.