With the right information, companies successfully increase operating margins and significantly reduce costs all the while improving business and supply chain efficiency. Whether you are an e-commerce retailer, an industrial supplier, or a transportation service provider, find out how our customers optimize company processes and internal logistics by using DSS for comprehensive data analysis.
Data Analysis to Improve Knowledge Management

About Our Customer
Chronopost International, a member of the La Poste group, provides express shipping and delivery services both domestically (in France) and internationally. In 2013, Chronopost transported 102.2 million packages in over 230 countries in Europe and worldwide. [www.chronopost.com](http://www.chronopost.com)

Industry
Rapid Parcel Delivery

Market
Worldwide

Use Case
Logistics Optimization

Challenge
Ensure On-time Deliveries During Peak Activity
Chronopost promises that all parcel deliveries in France will arrive by 1pm the day following an order. But as demand continues to grow and especially during critical periods such as Christmas or Mother’s Day, Chronopost wants to make sure they can always keep their promise and deliver parcels on time. With this in mind, Chronopost decided to look for a solution that would help them use and analyze historical data to optimize delivery operations and ensure delivery deadlines.

Solution
Ease of Delivery Rating for All Addresses Based on Parcel Tracking & Geographical Data
Chronopost uses DSS to create a custom application that automatically generates an ease-of-delivery rating for each address. The designed application:
- Takes into account historical internal delivery and retrieval data.
- Analyzes and enriches shipping and delivery data via data aggregation by geographic location.
- Enables easy modeling of a rating for each delivery.
Incorporation of new deliveries to the existing model allows iteration and continuous production costs optimization.

Results
Optimized Production Costs & New Commercial Offers
Since they developed the application with Data Science Studio:
- Increased BI productivity: BI teams around the world easily collect & use performance indicators on demand,
- Optimize operational means and costs involved in package delivery,
- Create New commercial offers at optimized production costs,

Thanks to this in depth analysis of their data, Chronopost can ensure constant quality of their different offers (delivery before 1pm, before 8am...) at optimized production costs.

“DSS has opened the door to new opportunities for Chronopost’s commercial, organizational, and operational BI strategy by giving us the tool we need to easily access, analyze, and use our data in a framework that combines both standard and Big Data architectures.”

Régine Buys
BI Manager - Chronopost
data science studio

- Delivery & Pickup Data + Geographical Data
- Deliverability Score by Time, Location, Date
- Delivery Route Optimization & Cost Reduction

Analysis & Visibility of Past and Present Data
Optimized Delivery Routes & Operations
New Commercial Offers Based on Delivery Timeframes

Built by Chronopost

Technology
- SQL
- JavaScript
- Python

Time

Team

Models
- In-house scoring
- Specific scoring models

Powered by DSS