SUPPLY CHAIN DISRUPTIONS COST MILLIONS

But what causes them? We help you to understand



High value customers expect frictionless fullfillment¹

What puts in-time delivery at risk? A case study



Fashion retail case study: multiple drivers of risk

Distribution partner **v001** puts a timely fulfilment at **severe risk**.

Delivering through **Athens** will double the probability of delays.

Customs procedure **CRF** increases the likelihood of delays.

Unusually **lightweight** or **heavyweight** products tend to be delayed.



FORMALIZING RISK DRIVERS IN A MODEL: 82% ACC



Architecture

32 engineered features for each order

AdaBoost

XGBoost

Random Forest

MLP

Nearest Neighbour

Voting

Delay probability



MAKING THE MODEL ACCESSIBLE: DEMO



Giving decision makers leverage to unlock 2% more profit¹

Next steps: Environment

