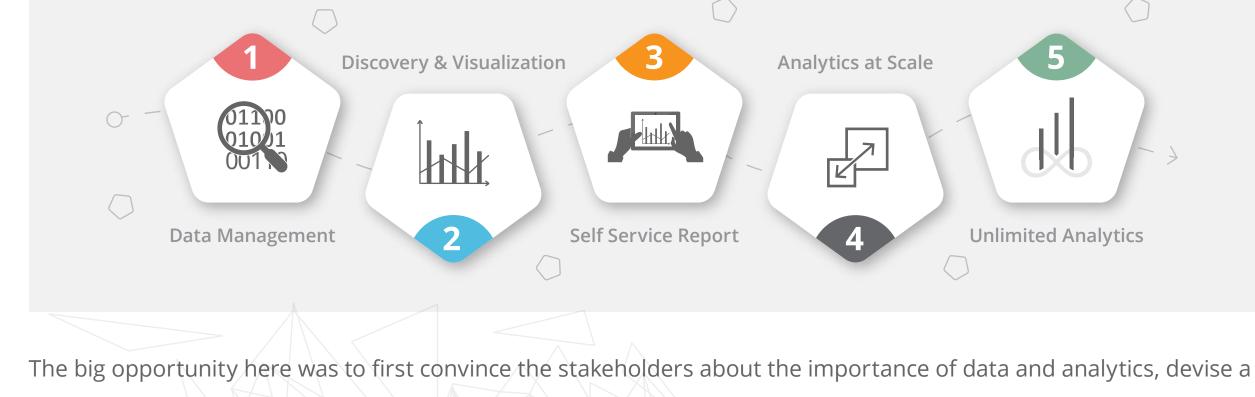
Retail Analytics using POS and Inventory Data

Retail industry, till very recently, was grappling to come to terms with getting digital. Companies wanted to emulate Amazon's success. The challenge for our client wasn't just the lack of data about who the consumers were and what they were buying, it was around the numerous retailers on the ground, and unavailability of a unified data portal in a standardized format. Therefore, they could neither share relevant data with their management teams at a regular frequency nor with the appropriate granularity to gather accurate insights from it. The data used to pour in, round the clock, from multiple systems, channels, and regions.



methodology to create a single view of the data and extract meaning from this portal for an informed decision making. Once we instilled confidence of the client leadership team in the data, they roped us in to build an E2E Retail analytics solution around it. Given that our client sells products through multiple third-party vendors, keeping them motivated to share data (timely and correctly) was a bit of a challenge. Moreover, due to the scarcity of capabilities at their disposal, most of the retailers remained overwhelmed with the vast amounts of data at their respective ends. About the organization

worldwide marketing and sales of footwear, apparel, equipment, accessories, and services. It is one of the world's

Our client is an American multinational corporation that is engaged in design, development, manufacturing,

largest supplier of athletic shoes and apparel. Our client is well known for sponsoring many high-profile athletes and sports teams around the world. **Business Problem**

How to assess the performance of each franchisee?

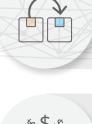
1. Building a Unified Data-Mart

Sales

The ancillary business questions:



For how long could an account manage with its existing levels of inventory?



What is the optimal store size of new stores for maximizing sales?

How often do the retailers need to be replenished with different products?



How to monitor, assess and optimize the discounts offered across various factory stores?

Client's primary concern was to gather the siloed data and use it to answer questions

that the account, marketing, planning, and product teams had.

Our Approach

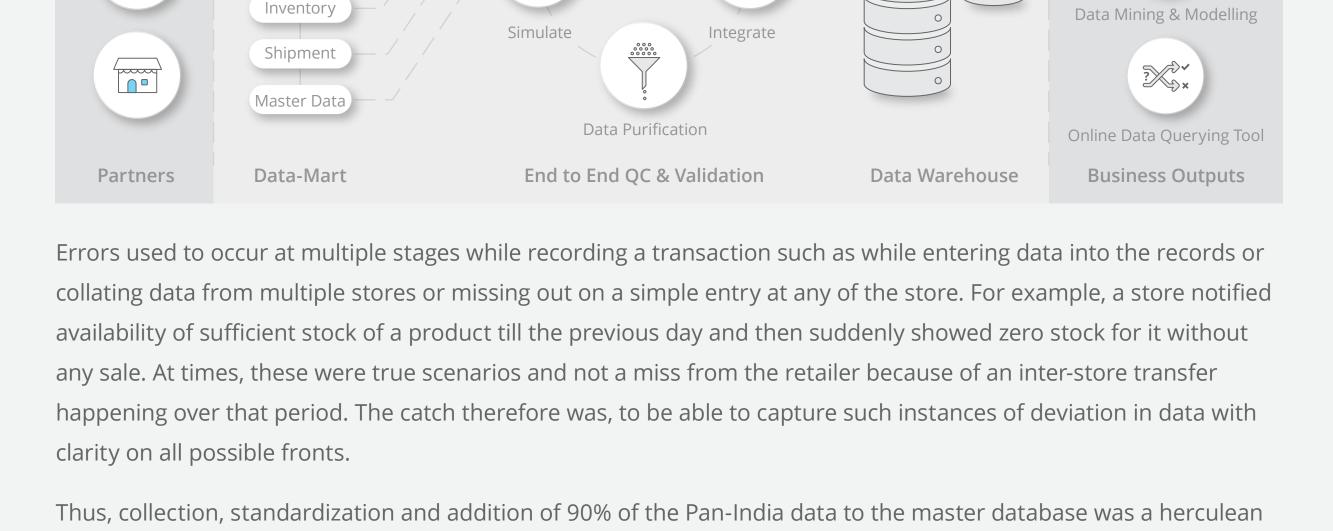
TEG followed a holistic approach to address client's problem. We started with building a unified data mart, reporting the data base on different team needs, providing and helping them with predictive and perspective solution.

In a semi-digital world and a developing country like ours, the complexity arose with the absence of an organized,

standardized and a unified data mart. What made it even more formidable to deal with was to enable the stores at disparate locations to feed sales, inventory data and share it digitally through a wide range of systems. Irrespective

of data collection tools, our team at TEG Analytics was involved in unifying and standardizing the information so that

the next set of analysis and reporting could become seamless. This unification involved liaising with the retailers and carrying out numerous quality checks to capture the accurate data. SKU (G) Seasons Visualization Store Load / Stage

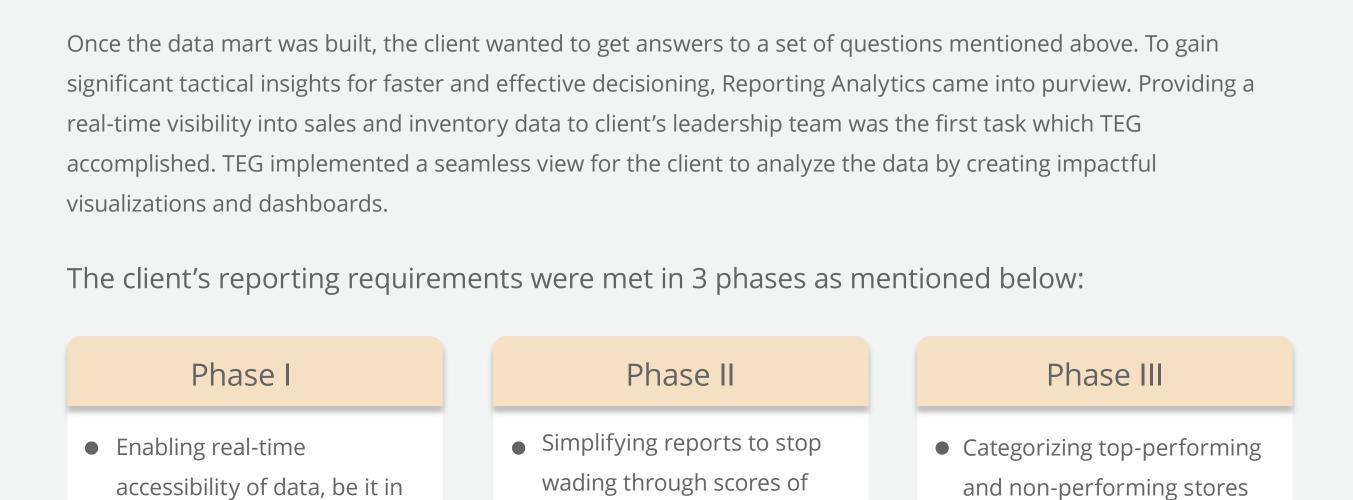


mortar store to each online portal.

Master Database

task and as with every analytics related project the data management part formed the base of the pyramid. It

eventually helped our client to keep a tab on the country-wide sales and inventory details from each brick and



pages before getting to the

Analyzing non-performing

products and vendors to

Visualizing retail transactional

data for analysis and

planning purpose

manage inventory

accordingly

real issue

platform Carrying out week-to-date, month-to-date or

Generating sales trend report

based on SKU performance

office, in store or on-the-go

through FutureWorks

year-on-year data

comparison

90% of the Pan-India data

2. Visualizations & Reporting

3. Self-Serve Analytics The dashboards, used across several departments now, offer numerous dynamic capabilities such as:

thereby streamline the functioning of their retail chains across India.

The data was put to work to enable the client to take better decisions and

Providing a good understanding of the current pulse of the business

Identifying the root cause behind a spike or a trough in sales and inventory

Helping the client in analyzing replenishment scenario across various stores at an SKU level for the

Dashboard-cum-optimization tool helps the client to redistribute products among different stores

The entire functionality of the portal was built upon FutureWorks platform (One only needs to logon to the portal

and specify which fields do they want to include from various levels of aggregation available such as city, product

TEG has also helped client with solutions in the Advanced Analytics space such as Store Size Optimization and

geography/demographics and store related data into a size-demand intelligence and thereby came up with the apt

Similarly, Discount Optimization helped client understand the optimum price at which different products should be

With TEG's expertise in data management and analytics, the client is now able to gain visibility and insights into 90%

of country-wide POS data. Dashboards thus developed, help the client to monitor KPIs on a real time basis and

subsequently take key decisions around stocking, pricing and shipments right from the account level down to a

Managing operations across

all channels by exceptions

problem areas at the earliest

and alerts to apprehend

possible

Country-Wide Sales and Inventory Track

سرا in the same region so that no store remains overstocked/understocked Visual self-service tool dramatically changed the way our client approached its business.

4. Advanced Analytics

entire South-East Asia region

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size that a store should be of to adequately display its inventory. This leads to smart allocation at the size level to match customer needs at each store.

Discount Optimization. For Store Size optimization, TEG transformed historical sales, inventory,

and gender among others) which simplified the entire data churning process.

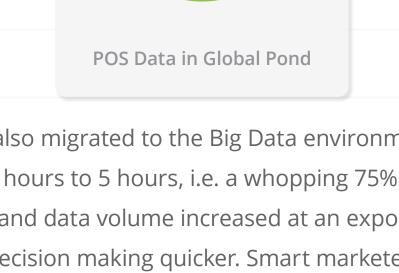
sold to garner the maximum profits across different stores for each retailer. The TEG Impact

single article level.

Coverage of Sell-Thru

90% 80% 75%

In line with the current trend, TEG has also migrated to the Big Data environment and has brought down the time required for churning out data from 20 hours to 5 hours, i.e. a whopping 75% reduction. Over the last 5 years, as the relationship with the client progressed and data volume increased at an exponential level, Big Data has made the process faster and thereby has made decision making quicker. Smart marketers are now relying on data more than ever to stay abreast with the latest trends and further to devise and ratify their strategies. Migration to the Big Data system and Tableau has made the entire process seamless and thus it continues to pay dividends. Our client now gets to assess larger datasets and gain more insights to improve their supply chain, sales and marketing management among other factors, which eventually helps it expand its business.



Time Reduction

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