



Revolutionize Logistics: Maximize Efficiency with AI-driven Demand Forecasting for Warehousing and Distribution Optimization

Challenge organisation

Alianza Team is a multi-latinamerican organization, leader in the world of lipids, nutrition and frozen bakery, wishing to contribute with experience in the production of food products for a better tomorrow with value-added solutions, generating a positive impact on our customers and consumers as well as on the environment. We have 4 lines of business which help us meet the different needs of our consumers and consumers, always anticipating the market: BredenMaster, Team Solutions, Team Caribe and Team Foods.

Full description

Alianza Team, a frontrunner in food solutions across Colombia, Chile, and Mexico, confronts a pivotal strategic hurdle—enhancing logistics management, particularly in warehouse and storage planning. The core aim is to forecast demand proactively and refine product availability, a mission gaining critical significance through comprehensive historical data analysis.

Despite possessing a wealth of invaluable information from historical data, the company faces a challenge. This dataset, originating from diverse sources and systems, remains decentralized, complicating data analytics and artificial intelligence endeavors.

The challenge unfolds in two stages: firstly, consolidating this dispersed information to grasp a holistic view of past demand patterns and behaviors. Secondly, leveraging this unified data as a foundation for deploying predictive analytics and machine learning models to precisely foresee future demand.

Centralizing data emerges as a crucial element, powering advanced demand forecasting algorithms. Achieving this involves integrating various software and tools currently employed, ensuring consistent, accessible information for in-depth analysis.

Once the company successfully consolidates its data through an advanced technological solution, it will pave the way for the implementation of a comprehensive digital platform. This cutting-edge platform will empower efficient visualization of both historical and current data, streamlining the identification of patterns and trends. Through the application of predictive analytics techniques, the company will enhance its capacity to generate highly accurate demand forecasts, leading to the optimization of product placement within the warehouse.

The potential impact of this initiative is substantial. The enhanced ability to anticipate demand not only bolsters operational efficiency but also mitigates costs associated with excessive or insufficient storage. Moreover, it equips Alianza Team to address customer needs more effectively, further solidifying its commitment to service excellence.

This endeavor, centered on extracting vital information for warehouse and storage planning through predictive analysis of historical data, represents a strategic opportunity for Alianza Team. By tackling this challenge, the company not only advances technologically but also fortifies its standing as a leader in the food solutions industry.

What we are looking for

Alianza Team is looking for an innovative technology partner specialized in data analytics and artificial intelligence to address our strategic challenge in logistics management. The ideal solver will need to meet the following requirements:

- **Demonstrated experience in Data Analytics and AI Solutions:** Must have a proven track record in successfully implementing data analytics and artificial intelligence solutions, preferably in the logistics sector or similar industries.
- **Demand Forecasting Expertise:** Specific experience in developing advanced demand forecasting models is required. The ability to anticipate patterns is essential for the success of the project.
- **In-depth Knowledge of the Food Sector:** Must have a thorough understanding of specific logistical challenges in the food and distribution sector. This includes the management of perishable products, seasonal variability and other key factors.
- **Data Integration Skills:** Must demonstrate experience in effectively integrating data from a variety of sources and systems. Consolidation of information is critical to achieving a comprehensive and accurate view of the supply chain.
- **Scalability and Adaptability of Solutions:** The proposed solution must be scalable and adaptable as the business grows and evolves. It must be able to handle large volumes of data and adjust to dynamic changes in demand and logistics operation.
- **Focus on Sustainability and Operational Efficiency:** The solver must have a clear commitment to sustainability and operational efficiency. The proposed solution should contribute to reducing the environmental footprint and improving efficiency in logistics management.
- **Track Record of Success and Strong References:** The solver is expected to provide concrete examples of previous successful projects, especially those addressing similar challenges in the field of logistics and supply chain management.

By meeting these requirements, the solver will demonstrate their ability to be a strategic partner in Alianza Team's logistics management transformation.

We are excited to collaborate with an exceptional technology team that shares our vision of efficiency, sustainability and supply chain excellence.

What we offer

Alianza Team recognizes the importance of establishing a strong and mutually beneficial partnership with the selected solver. Below, we detail the key offerings the company will provide to ensure joint success in addressing the logistics management challenge:

- **Exclusive Data Access and Operational Context:** We will provide access to our proprietary operational and contextual data. This includes detailed information about our supply chain, historical demand patterns, and conditions specific to the food and distribution sector.
- **Active Participation in the Implementation Process:** Alianza Team is committed to actively participate in all phases of the implementation process. Our team will be available to provide detailed information and guidance, ensuring effective integration of the proposed solution.
- **Strategic Partner Recognition:** The selected solver will be recognized as a strategic partner in our communications and industry events. We will highlight the solver's contribution to our joint pursuit of logistics efficiency and sustainability.
- **Exploration of Long-Term Opportunities:** If successful, we will explore opportunities for long-term collaboration. This could include expansion of the solution to other areas of the supply chain, as well as participation in future logistics innovation projects.
- **Facilitation of Technical Resources:** We will make technical and human resources available to facilitate the implementation of the solution. This will include access to experts in the supply chain, logistics and specific technologies involved in the project.

By leveraging these offerings, Alianza Team seeks to establish a collaborative and successful relationship with the solver, ensuring that the project achieves its strategic objectives and contributes to our joint success in transforming our logistics management.

Other

Opportunity area	Smart production
Looking for partners in	Europe; Caribbean
Specific Areas	Logistics; Others
Technologies	Big Data Analytics; Modelling & Digital Twin; Artificial Intelligence; Quantum Computing

This is a challenge identified by the EU-LAC Digital Accelerator team in the frame of the Call for Challenges. The mission is to connect challenges from corporates with solutions from startups to boost digital transformation in Europe, Latin America and the Caribbean. If you are interested to learn more about us, visit our [website](#).

If you are a startup with a digital solution willing to explore collaboration opportunities with this corporate, [join our matching platform](#) and let the open innovation game start!

If you are called by this challenge but have questions, do not hesitate to [contact us](#).

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