EPFL

Production Management (ME-419)

Module 2: Demand Management

Assignment 6: Demand Plan

Objectives: The goal of this assignment is to prepare the demand plan for your product and ensure smoothing coefficient are optimized and all required technical points are set. Your finalized demand plan will be sent to the factory to plan production and manage inventory.

Tasks: The tasks to complete and the results to obtain are as follows

1. Optimize smoothing coefficients (alpha, beta, Gamma) for running your forecasting model.
2. Run forecast based on the optimized smoothing coefficients and update the demand plan of your product families for the next 18 months.
3. Measure performance of your forecasting model.
4. Implement comments and feedback of your coach.

Your submission:

1. File: Your slides
2. Please update your assignment by the time set on Moodle.
3. **This is a group assignment**, and there will be a group presentation for this assignment.
4. Each presentation will have 7 minutes with 8 minutes of feedback.
5. Assignment is due on the scheduled date. Submission delay will have a negative score.
6. Connect, bond, and establish regular contact with your coach.
7. Connect and bond with your group members, define a proper group strategy for handling the workload and reach an agreement on the time to meet up during the week.
8. Upload your files (and the supporting files if applicable) in *Moodle*'s appropriate location.

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Hint: How to tackle a problem systematically? In a high level, consider the following three main elements in your report preparation:

1. Problem/issue: identify the key problem/issue described in the case and pay attention to its essence. There are many issues and problems to solve in any given case, but not all are equally important.

2. Solution/Analysis: identify "how" and "why" the situation happened and then address the main drivers and causes of the problem/issue. Who is(are) the stakeholder(s)? The goal is to raise awareness of the problem/issue.

3. Result(s)/Outcome(s): what would you do if you were the decision-maker? What solution would you take to tackle the underlying problem, drivers and causes of the issue. What are the risks? Stay to-the-point, precise, and realistic.

References: Cite the work of others when you use any content, use Google Scholar (") sign, and use APA or Harvard Business Review style.

Appendixes: Please address anything that is of the secondary importance but valuable to be addressed in your report/thesis.