optimize the manufacturing process by detecting any problems that might lead to a bad quality product early in the process. You need to prepare a business understanding document, and provide the customer with the data requirements that you think are needed to help ensure good quality diapers. You will submit a document describing your business understanding and data needs. You can use graphs, diagrams, and tables to explain your findings and request.

Diapers are a household essential for families with newborns and young children, as well as elderly and sick. Disposable diapers became a common solution for all the inconveniences of cloth diapers. A disposable diaper is composed of an absorbent pad layered between two sheets of nonwoven fabric. The pad absorbs and retains body fluids many times its weight, and the nonwoven fabric gives diapers shape and prevents leakage. Creative innovations continued to improve the quality and design of disposable diapers. Despite these innovations, the manufacturer can face some challenges in the process of making disposable diapers. The product can be improved by analyzing two factors: raw materials and manufacturing.

Raw Material:   
The absorbent pad needs to balance the polymer’s ability to retain enough water and the polymer’s strength, so it does not deform under stress. Fibers dispersed throughout the pad mitigate this issue, but the ratio of polymer to fiber must be optimized. Absorbency can be optimized by providing material weight to weight of absorbed water of different polymers. Another parameter that can improve absorbency is the polymer to fiber ratio.

Manufacturing Process:  
The biggest problem that might lead to a bad quality product