

Extraction, Transformation, and Load Technical Report

bacon pricing database construction and maintenance



Beautiful Bacon Group

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# Introduction

The purpose of this Extraction, Transformation, and Load (ETL) Technical Report is to help Beta Alpha Kappa National Fraternity office (the Client) to track daily bacon pricing. Bacon represents over 80 percent of the Client’s annual food expenditure; therefore, the Client engaged Beautiful Bacon Group to create an in-house process to monitor and to store bacon related data. First, the Client would like to obtain a daily bacon pricing feed from a specified grocer to measure the immediate cost of consumption. Second, the Client would also like to track bacon’s consumer price index (CPI) to better understand the effect of inflation. Finally, the Client would want to receive lean hogs commodity pricing data for future hedging strategy.

# Scope

The scope of this report covers the following:

1. Smithfield Thick Cut Naturally Hickory Smoked Bacon 16oz pricing data from Kroger.
2. Bacon, sliced, per lb. in U.S. city average price from US Bureau of Labor Statistics.
3. Lean Hogs futures from Investing.com

Beautiful Bacon Group should create an automated process to obtain all above data from their respective sources. The obtained data should be stored in a database for the Client to retrieve easily.