Melissa Young
DSC680 – T301 Applied Data Science
7.1 Project 2: Draft/Milestone 2 – Appendix

A. **Data Dictionary- mak table**

Column Name	Data Type	Description
CertificateNumber	object (string)	Unique identifier for each construction warranty.
WarrantyEnrollmentAppID	int64	Identifier for the warranty enrollment application.
ClosingDate	datetime64[ns]	Date when the construction project was finalized or closed.
ActivatedAt	datetime64[ns]	Timestamp indicating when the warranty was activated.
FormattedPurchasePrice	float64	The purchase price of the property formatted for display.
BuilderNumber	int64	Numeric identifier for the builder responsible for the project.
Company Name	object (string)	Name of the builder associated with the project.
BuilderApprovalDate	datetime64[ns]	Date when the builder was approved for projects or warranties.
StateId	object (string)	State identifier where the project is located.
ZipCode	object (string)	Postal code for the project location.
County	object (string)	County where the project is located.
ProductSegment	object (string)	Category or segment of the product offered, related to the project.
Premium	int64	Premium amount associated with the warranty or insurance of the project.

B. Data Dictionary- cent table

Column Name	Data Type	Description
ContractNumber	object (string)	Unique identifier for each warranty contract.
DealerNumber	object (string)	Identifier for the dealer or seller of the appliance.
DealerName	object (string)	Name of the dealer or store where the appliance was sold.
ProductDescription	object (string)	Description of the product covered under the warranty.
ManufacturerDescription	object (string)	Description or name of the manufacturer of the product.
ModelNumber	object (string)	Model number of the product covered.
StateCode	object (string)	State identifier where the product was sold or the warranty was issued.
ReceivedDate	datetime64[ns]	Date when the warranty contract was received by the warranty provider.
EffectiveDate	datetime64[ns]	Start date of the warranty coverage.
PurchaseDate	datetime64[ns]	Date when the product was purchased.
Year	int64	Year the product was purchased or warranty was issued.
ExpirationDate	object (string)	Expiration date of the warranty contract.
ContractTerm	int64	Length of the warranty term in years.
ContractType	object (string)	Type of warranty contract, e.g., replacement or service agreement.
WarrantyType	object (string)	Type of warranty, indicating coverage specifics, e.g., repair or replace.
ServiceType	object (string)	The service model under the warranty, e.g., in-home service, carry-in service.
ContractCostAmount	float64	Cost of the warranty contract to the consumer.
ProductRetailAmount	float64	Retail price of the product covered under the warranty.
ClaimAmount	float64	Amount claimed under the warranty for repairs or replacements.

Loss Date	float64	Numeric representation (e.g., timestamp) of the date when a loss or claim occurred (if applicable).
ProductGroup	object (string)	Categorization of the product by type, e.g., appliance, electronics.
PWCProductGroup	object (string)	Further categorization within a product warranty classification system.