PowerBI Dashboard RLI Report Examples

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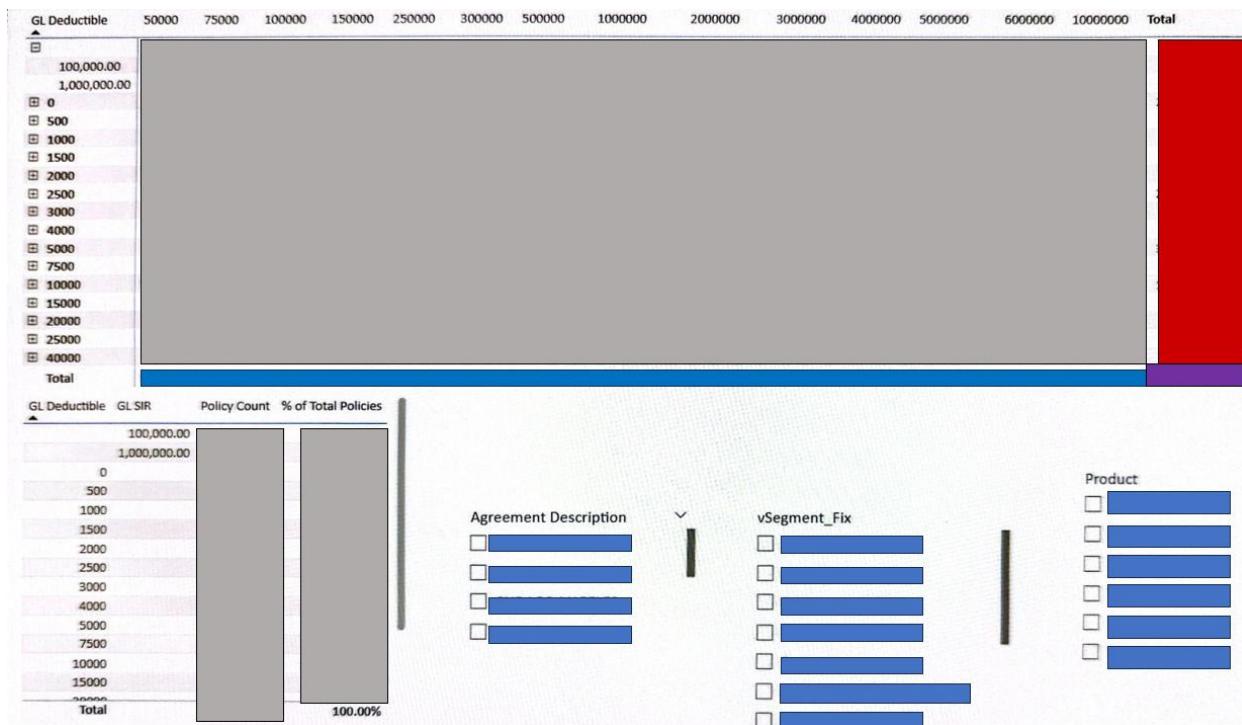
Confidentiality Notice:

Due to privacy and data restrictions, all numeric values and sensitive information have been masked. The purpose of this document is to demonstrate dashboard structure, query integration, data modeling, and reporting design rather than the underlying data itself.

These dashboard pages were developed using existing report formats as structural references to ensure consistency with expectations.

The primary objective of these dashboards is to automate reinsurance reporting and reduce reliance on manual spreadsheet analysis. By centralizing data sources and automating through SQL queries and DAX measures, the dashboards improved reporting efficiency, reduced potential for error, and provided actuaries with faster access to reinsurance data.
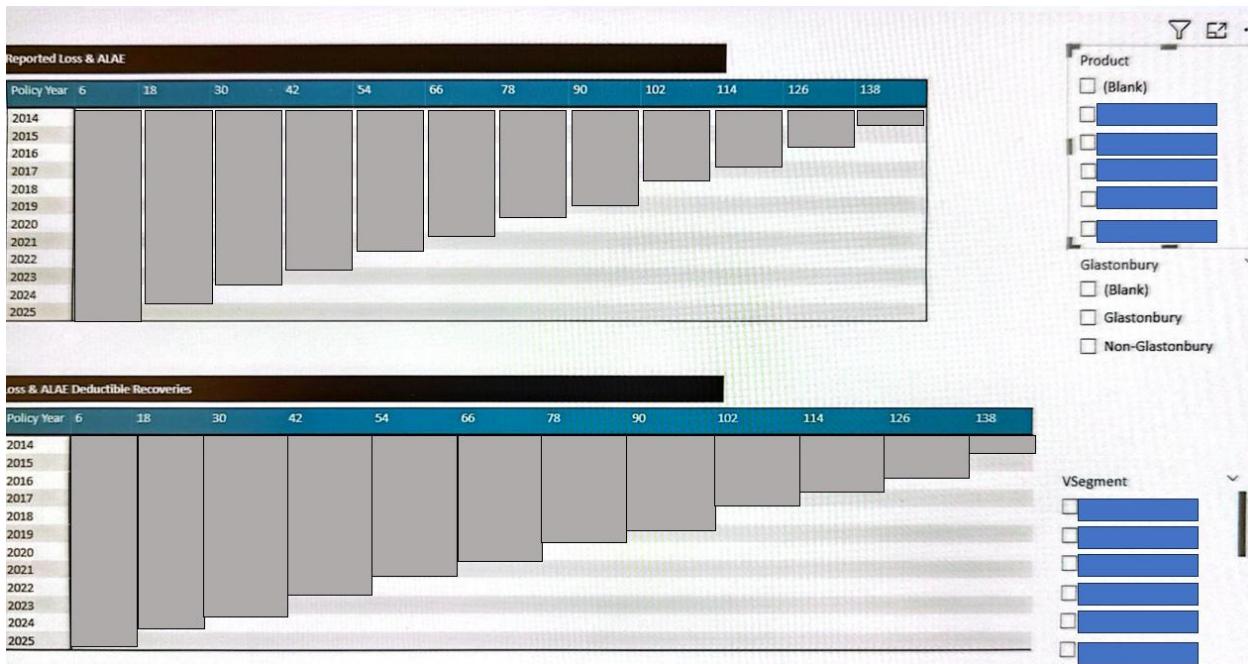
Report 1: Product-Level Limit Analysis

This report page integrates multiple SQL queries and supports highly granular filtering by product and segment. The table structure required extensive relationship modeling across datasets to ensure accurate aggregation and alignment.

The output was also used to generate supplementary count and percentage-based tables, enabling two different performance analysis within the same reporting view.

Report 2: Loss Triangle Reporting

This report page utilizes three separate queries combined through Power BI's data model and several custom DAX measures to construct a loss development triangle.

The triangular structure supports analysis across policy years and development periods, demonstrating advanced logic, measure design, and domain specific reporting used in insurance and reinsurance analytics.

Report 3: Data Quality and Validation

This report page was designed to identify policies with missing, inconsistent, or misaligned data fields. Records failing validation criteria are brought into a detailed table at the bottom of the report.

Identified issues can be corrected through a linked Excel input file, with updates automatically inserted across the entire dashboard. This workflow supports ongoing data quality monitoring and ensures consistency across downstream reports.