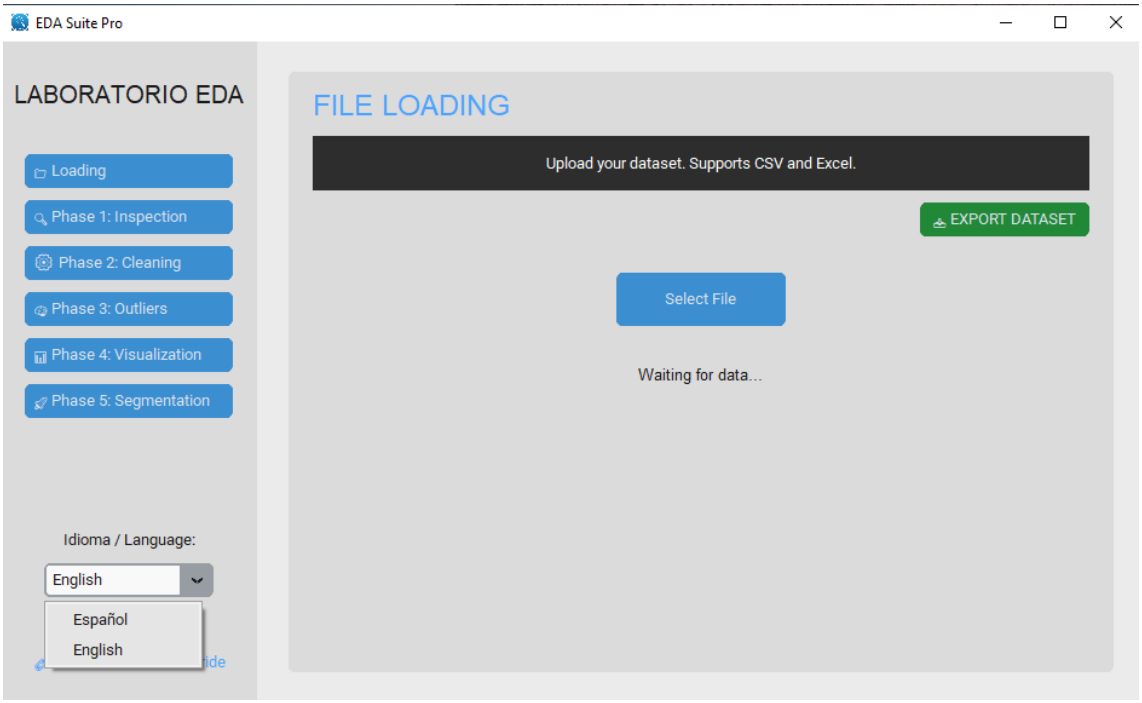
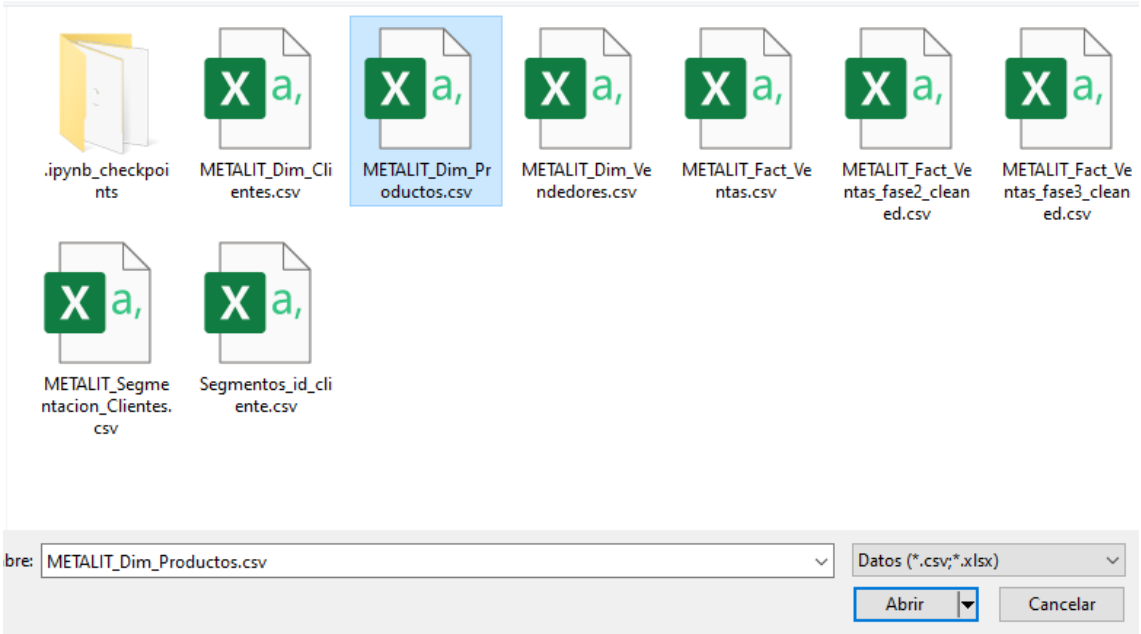
EDA Suite Pro: Operation Manual and Visual User Guide

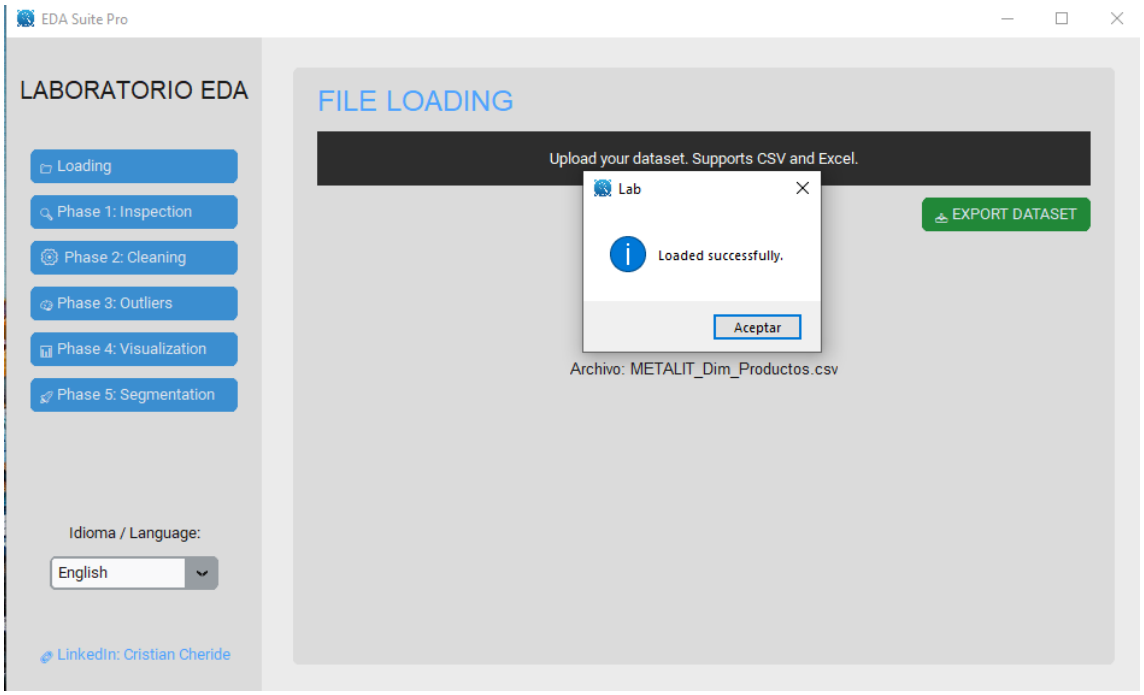
Sidebar and Multilingual "Navigation side panel with active language selector, allowing you to instantly switch the entire interface between Spanish and English."

Phase 0 - Loading Module "Main interface of Phase 0 ready to receive a dataset in CSV or Excel format."

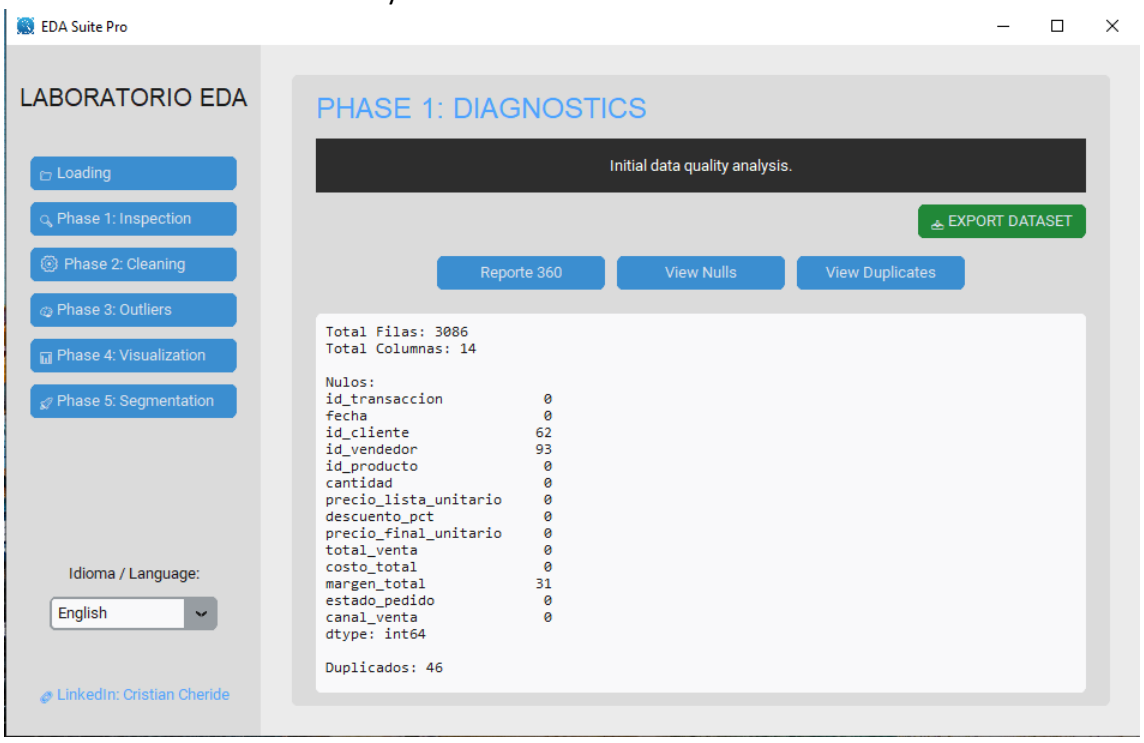


File Selection "System file explorer allowing the user to choose the dataset for analysis."

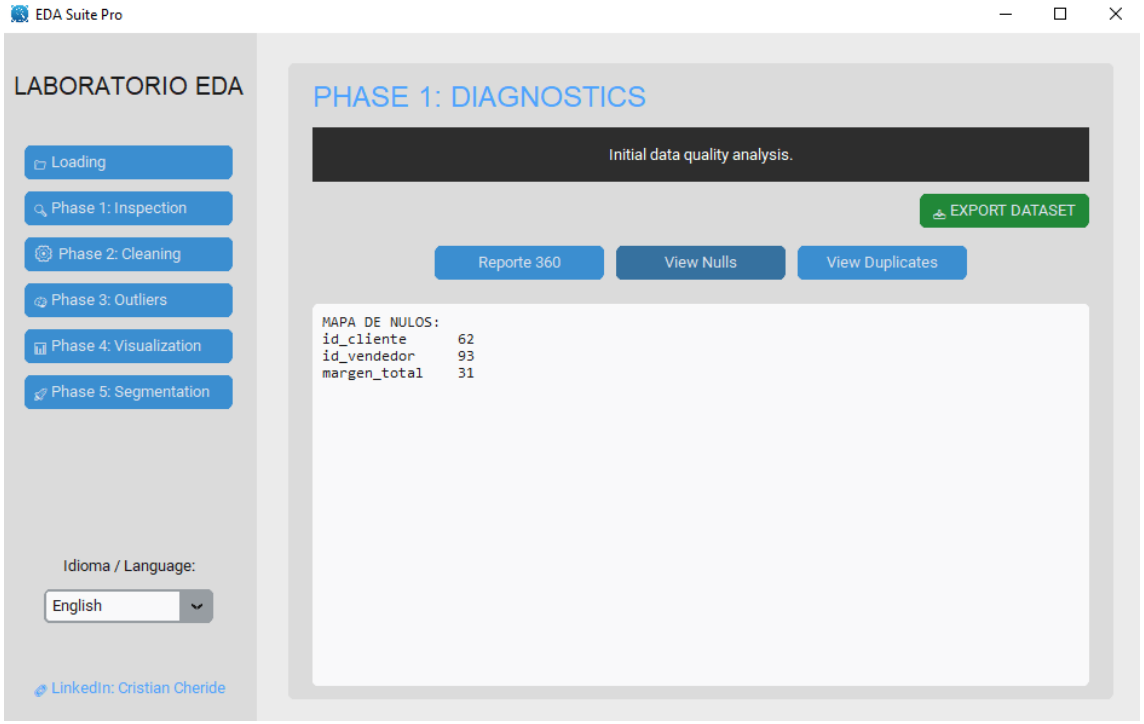


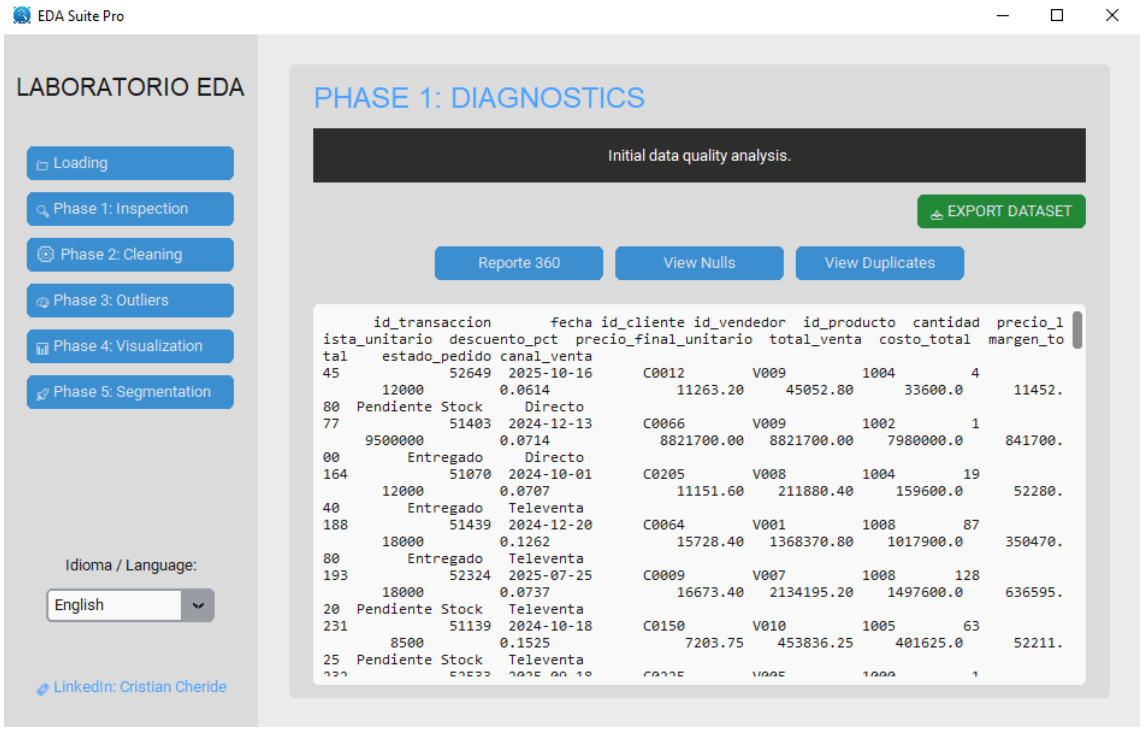


Phase 1 - Initial Diagnosis (360 Report) "Phase 1 view showing the total count of rows, columns and an overall summary of the dataset's health."

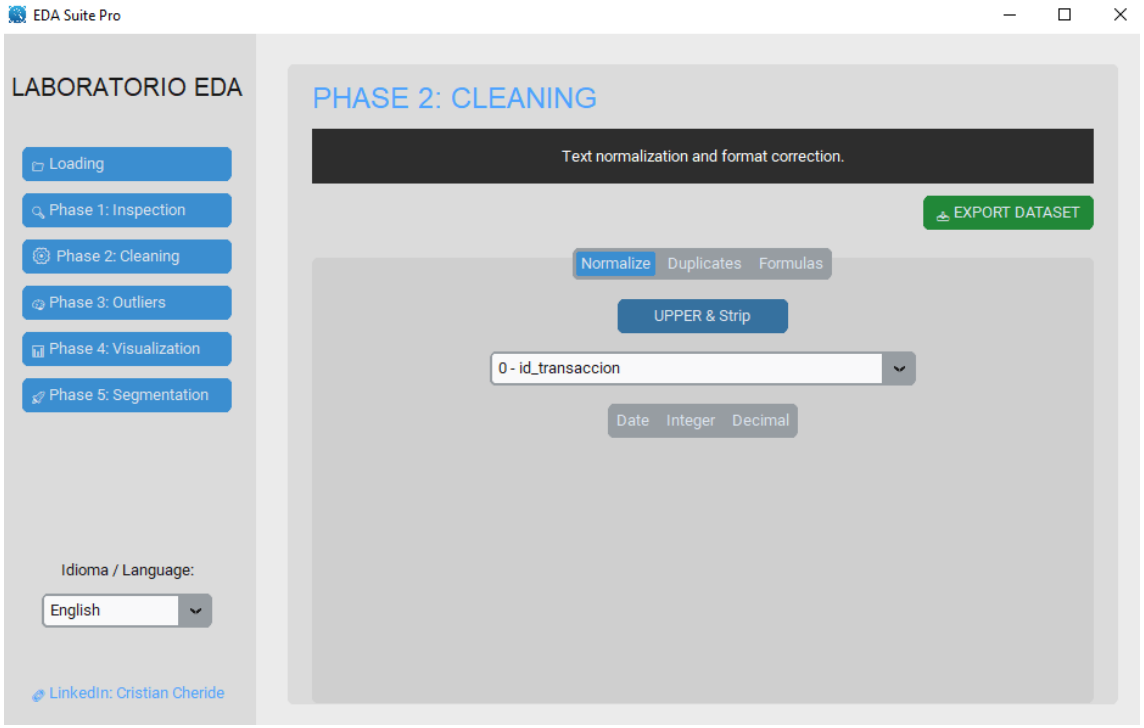


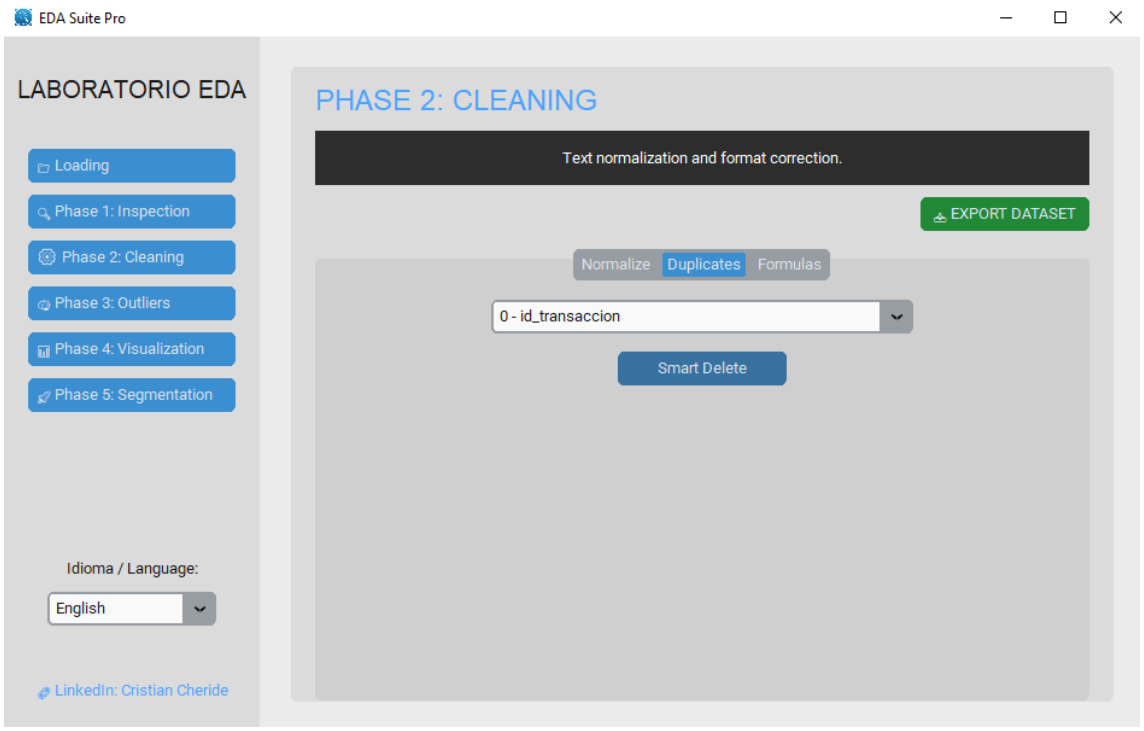
Phase 1 - Null and Duplicate Map "Detailed audit that identifies exactly which columns have missing data and how many rows are repeated."





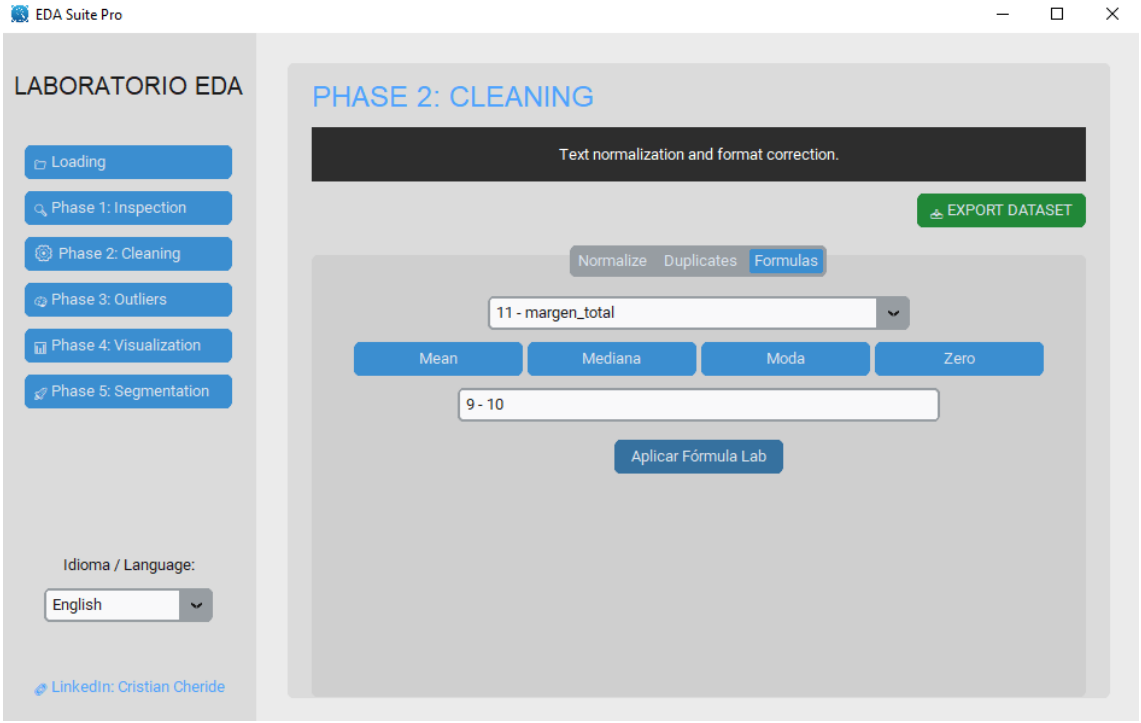
Phase 2 - Text Normalization "Using the 'UPPER & Strip' tool to clean up white spaces and standardize texts to uppercase in bulk."





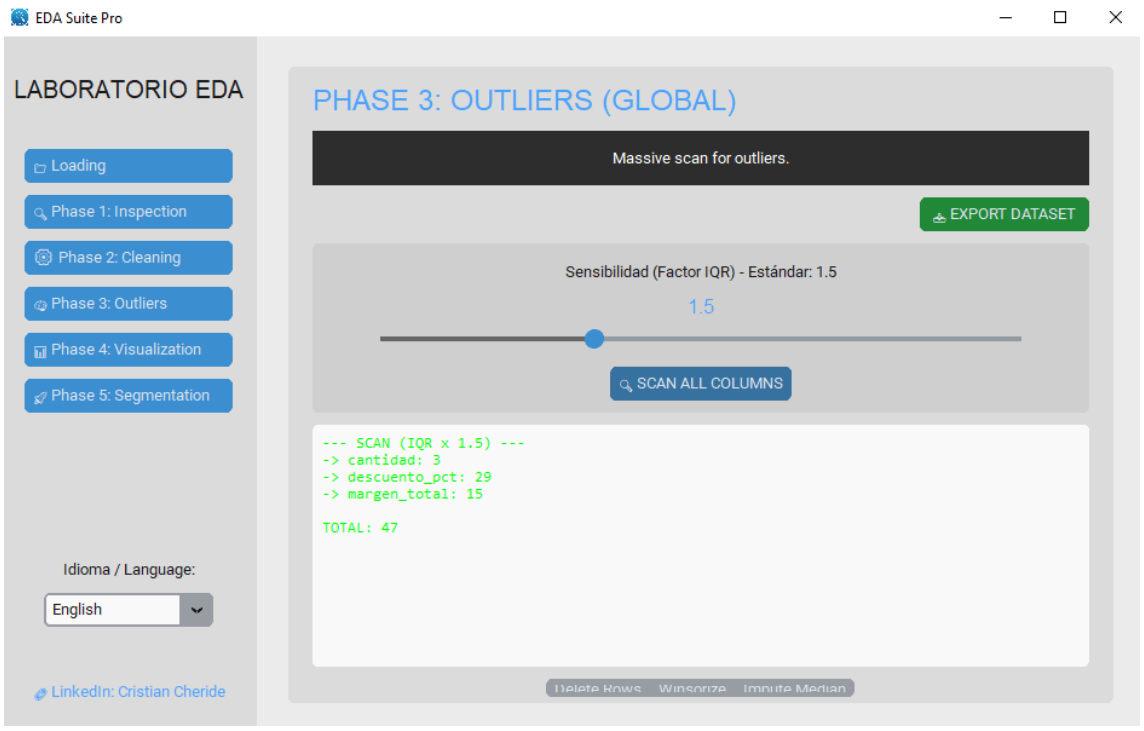
Phase 2 - Statistical Imputation of Nulls "Selection menu to fill in missing data using methods such as Mean, Median, or Mode."

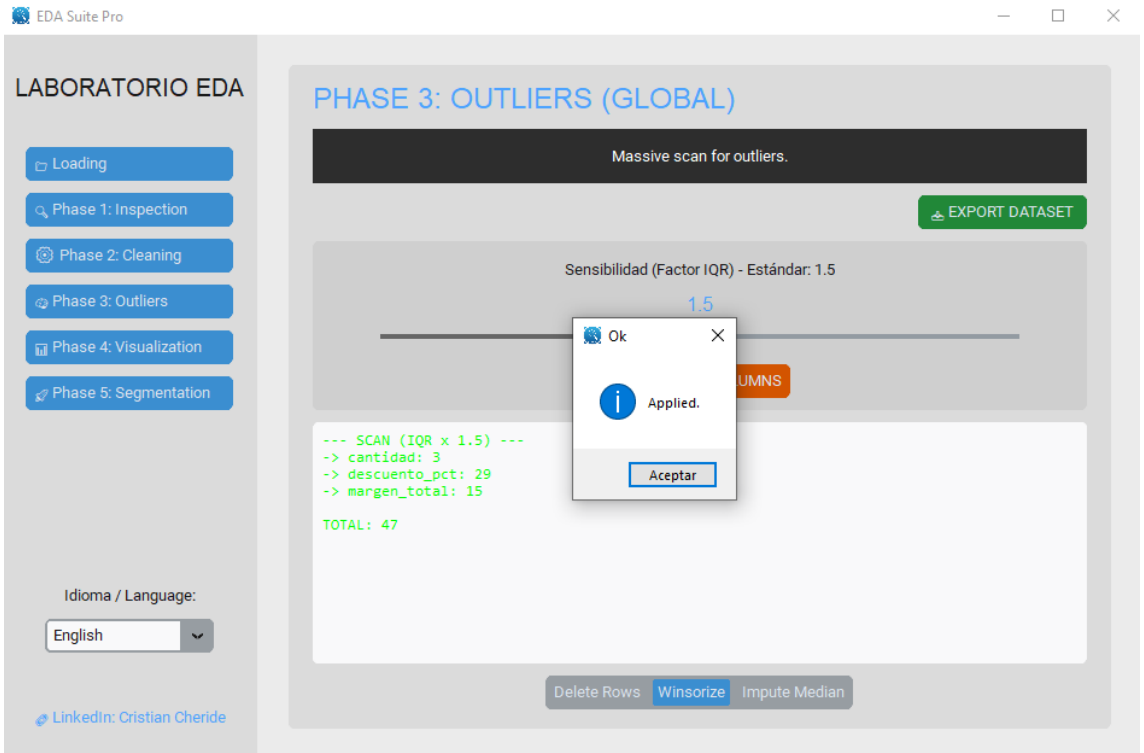
Phase 2 - Custom Formula Editor "Application of direct mathematical logic to the columns to resolve nulls through specific calculations."



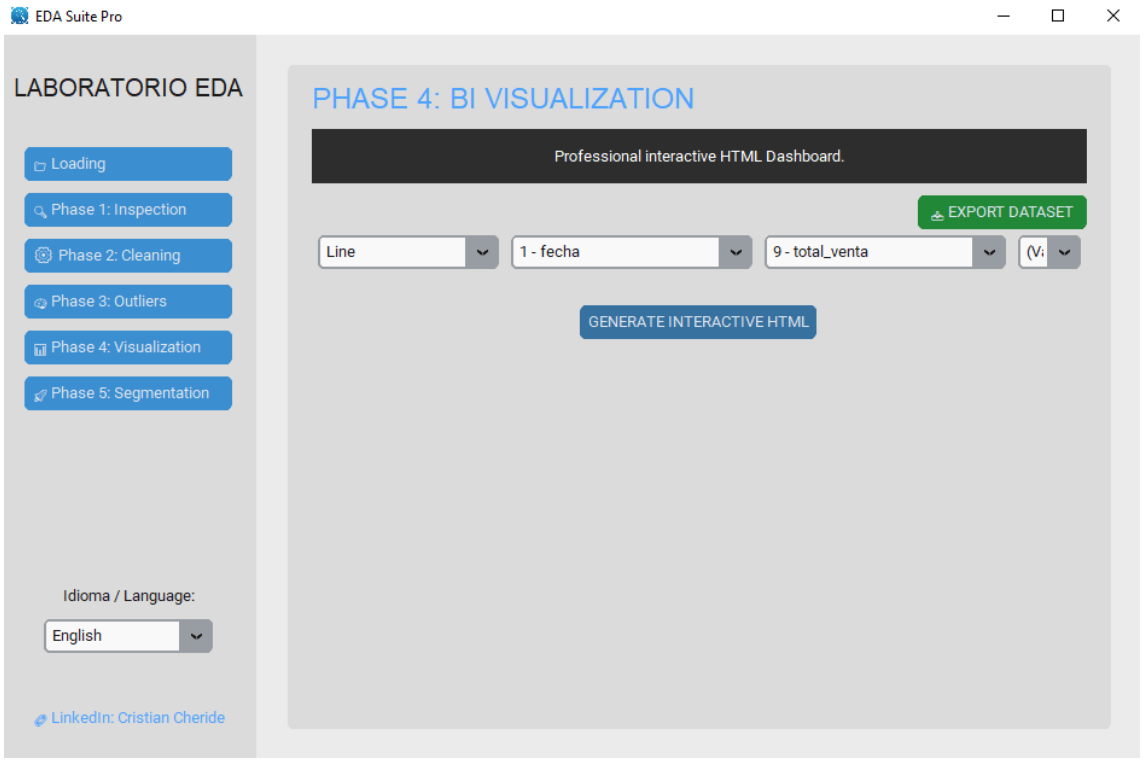
Phase 3 - Global Outlier Scan: "Execution of the automatic diagnostic that analyzes all numerical columns simultaneously for outliers."

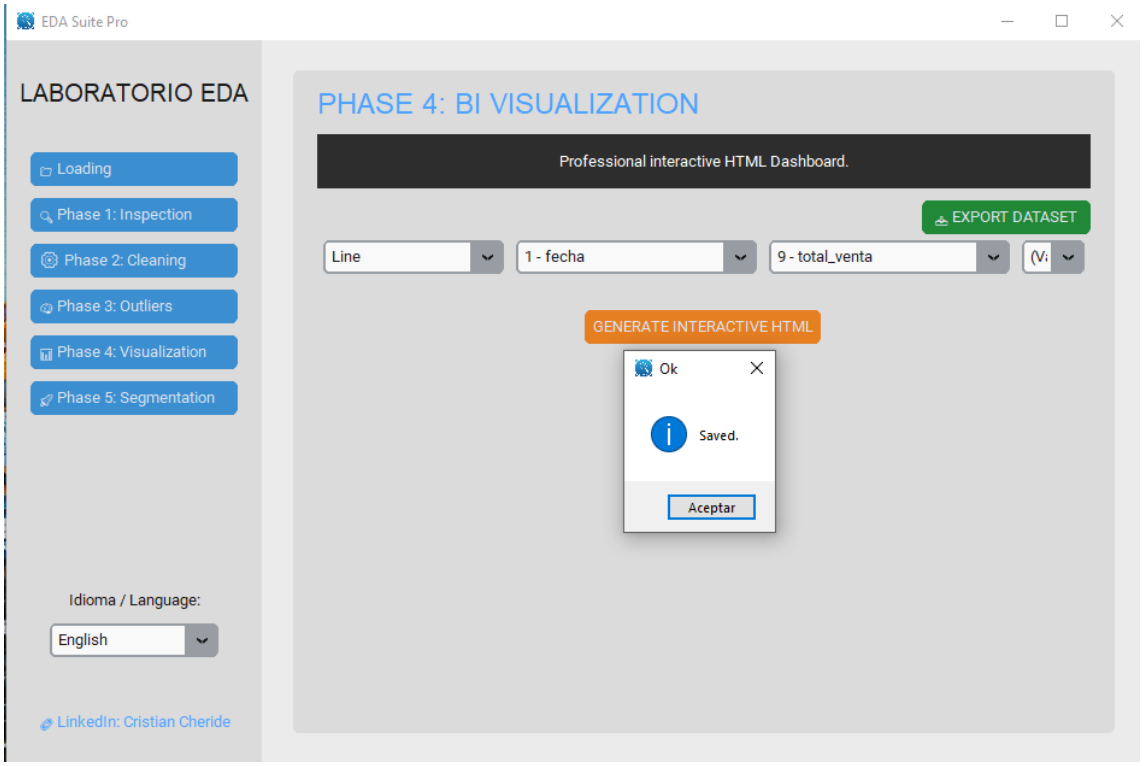
Phase 3 - Sensitivity Adjustment (IQR): "Manipulation of the sensitivity slider to define how strict the outlier detection filter (K-factor) will be."

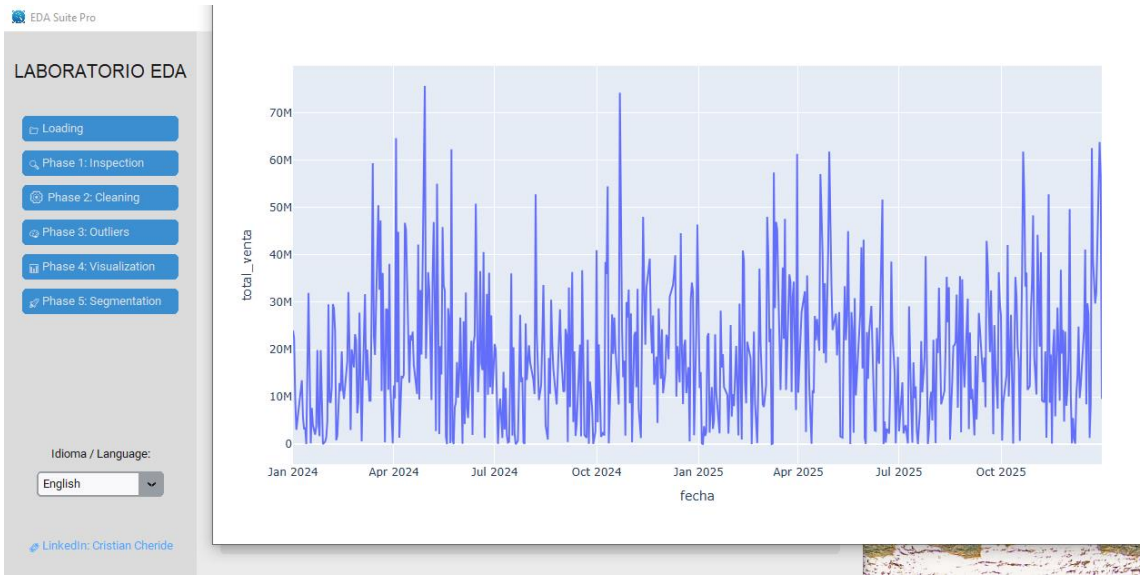


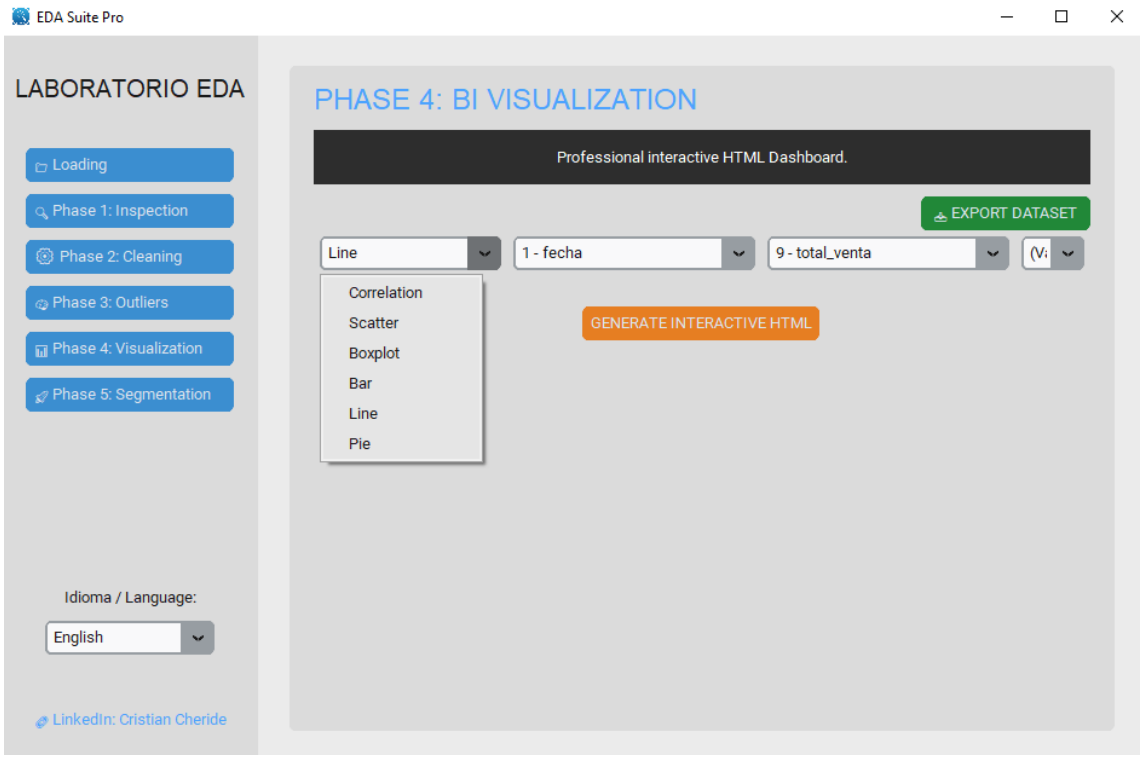


Phase 4 - BI Graphics Configuration "Parameter selector for visualization: choice of axes (X, Y, Z), chart type and color variable."





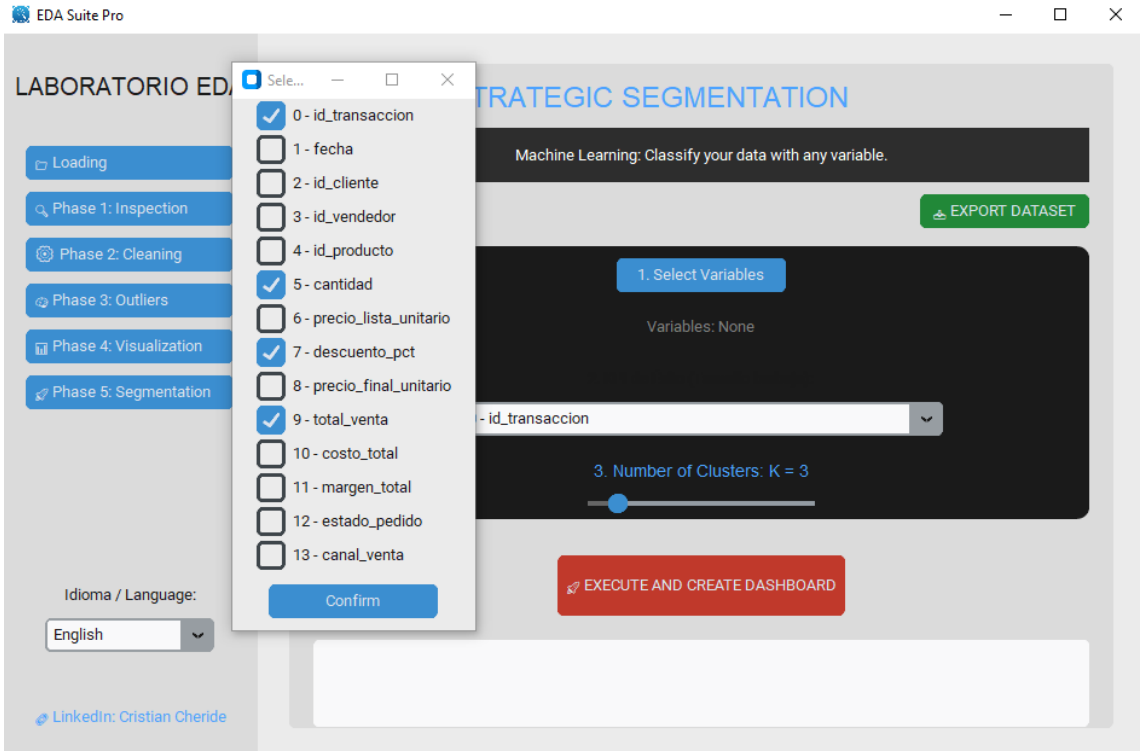


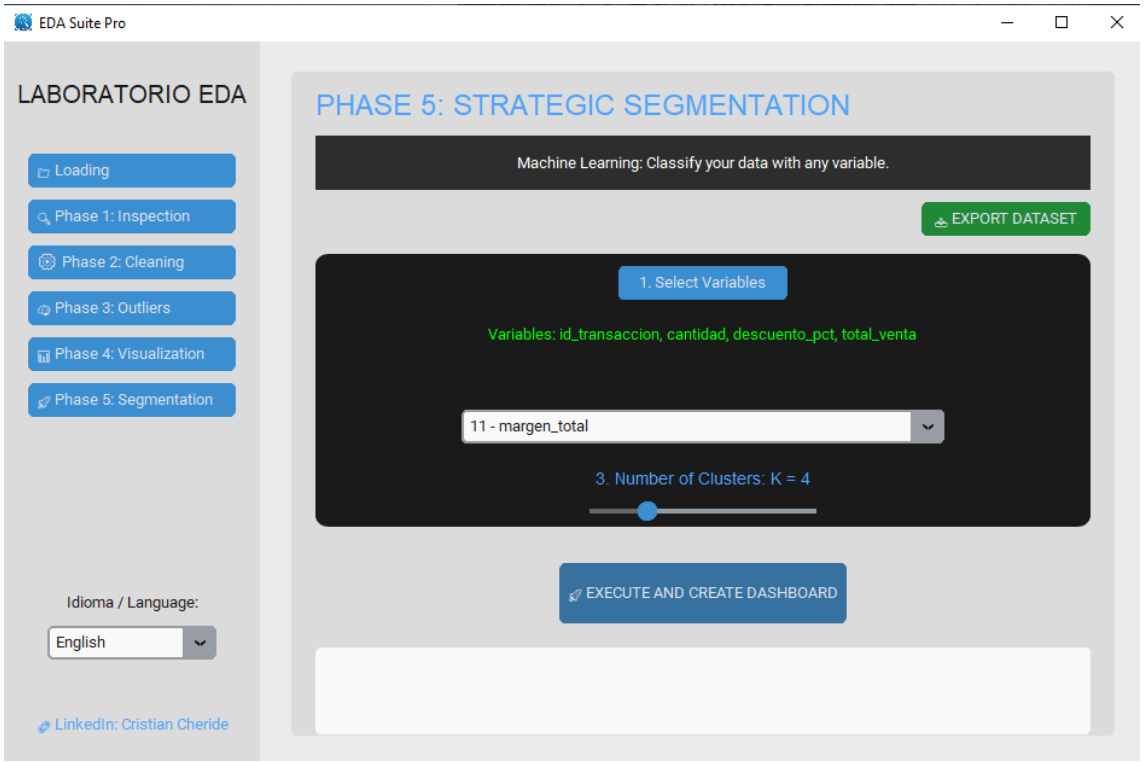


Phase 5 - Variable Selection for Segmentation "Pop-up window allowing the user to choose which columns (including IDs or text) will be used for the Machine Learning model."

Phase 5 - Cluster Configuration (K=X) "Adjustment of the desired number of clusters using the dynamic slider with real-time confirmation label."

K-Means Algorithm Execution "Results console displaying the averages for each generated segment and the cluster assignment to the dataset."





Interactive 3D Dashboard "Three-dimensional visualization of segmentation, where the size and color of the bubbles represent the selected success KPI."