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Using Machine Learning to Predict the Next Command in Revit _ Part 3: Data Analysis Using Power BI

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September 23, 2020

Part 3 of a Series Blog Click here to go to Part 2

Now that we've created our DATA COGNOSS file, it's time to visualize the data to gain insights. This is where Power BI comes into play. Power BI allows us to reference our data that we've processed and to create a variety of visualizations to explore the data. In this blog, we'll be using Excel files and referencing cells in different sheets in order to the way Revit schedules were mentioned in the introduction. With that in mind, let's dive into the analysis!

Chart 1

Top Commands Accessed (Without Column 1)
1_CREATE_DIMENSIONS
1_CREATE_FLOOR_PLAN
1_CREATE_GRID_LINE
1_CREATE_LEVEL
1_CREATE_LINE_BY_PICKING
1_CREATE_PARTITION_WALL
1_CREATE_PLACEMENT_TAG
1_CREATE_REFERENCE_PLANE
1_CREATE_SECTION
1_CREATE_TEXT_NOTE
1_CREATE_WALL
1_DELETE
1_EDIT_FAMILY
1_EDIT_PROFILE
1_EDIT_TYPE
1_ELEVATION_VIEW
1_FILE_NEW_FAMILY
1_FILE_NEW_PROJECT
1_FILE_OPEN
1_FILE_SAVE
1_FILE_SAVE_AS
1_FILE_SAVE_FAMILY
1_FILE_SYNC_WITH_CENTRAL
1_FILTER_BY_ELEMENT
1_HIDE_ELEMENTS
1_HIDE_IN_VIEW
1_MOVE
1_PIN
1_PLACE_COMPONENT
1_PLACE_DETAIL_COMPONENT
1_PLACE_FAMILY_INSTANCE
1_PLACE_GROUP
1_PLACE_LABEL
1_PLACE_TAG
1_RECTANGULAR_DIMENSIONS
1_SELECT_BY_ID
1_SELECT_BY_NAME
1_SELECT_BY_PICKING
1_SELECT_BY_PROPERTIES
1_SELECT_BY_RECTANGLE
1_SELECT_BY_SEARCH
1_SELECT_BY_TYPE
1_SELECT_BY_VIEW
1_SELECT_CONNECTED_ELEMENTS
1_SELECT_DEPENDENT_ELEMENTS
1_SELECT_ELEMENTS_IN_LINK
1_SELECT_FACE
1_SELECT_LINKED_ELEMENTS
1_SELECT_PREVIOUS
1_SELECT_SAME_ELEMENTS
1_SELECT_UNPINNED
1_SHOW_ALL_WARNINGS
1_SHOW_PROPERTIES
1_SHOW_SYSTEM_BROWSER
1_SHOW_TYPE_PROPERTIES
1_SYNCHRONIZE_WITH_CENTRAL
1_TEMPORARY_HIDE/ISOLATE
1_VIEW_DETAILS
1_VIEW_PROPERTIES
1_VIEW_TEMPLATES
1_WALL_OPENING
1_WINDOW_SWITCH
1_ZOOM_IN_REGION
1_ZOOM_OUT
1_ZOOM_TO_FIT
1_ZOOM_TO_SELECTION
1_ZOOM_WITH_ZOOM_WHEEL
1_ZOOM_WITH_ZOOM_WHEEL_OUT
1_ZOOM_WITH_ZOOM_WHEEL_OUT_TO_FIT
1_ZOOM_WITH_ZOOM_WHEEL_TO_FIT
1_ZOOM_WITH_ZOOM_WHEEL_TO_SELECTION
1_ZOOM_WITH_ZOOM_WHEEL_TO_SELECTION_OUT
1_ZOOM_WITH_ZOOM_WHEEL_TO_SELECTION_OUT_TO_FIT
1_ZOOM_WITH_ZOOM_WHEEL_TO_SELECTION