Power BI: HTML to Table Conditional Formatting Shortcut

This checklist outlines the process for extracting conditional formatting hex codes from an HTML-based DAX measure and rapidly generating standard Power BI formatting measures using DAX Query View.

Phase 1: AI Measure Generation

- **1. Prepare the Prompt:** Have the following extraction prompt ready to use in Gemini (or your preferred LLM):

Copy promt from below this line...

Please review the provided DAX code, which contains embedded HTML. Identify every instance where HTML colour conditional formatting is applied to a field.

For each field identified, create two DAX measures intended for Power BI table conditional formatting (one for the font colour and one for the background colour). These measures must return the exact hex codes extracted from the HTML.

Apply the following naming convention for the measures: Cndf - [field name] - [Font or Background] - Colour

Finally, output the results as a single DAX Query using the DEFINE MEASURE syntax. Crucially, ensure you append a dummy evaluation statement (e.g., EVALUATE {1}) at the very end of the query. This is required to run the script in Power BI's DAX Query View, allowing me to use the inline actions to easily add the measures to my data model.

Here is the DAX code: [Insert DAX code here]

...to above this line

- **2. Copy Source Code:** In Power BI, open the original DAX measure containing your embedded HTML logic. Select all (Ctrl+A) and copy (Ctrl+C).
- **3. Generate DAX Query:** Paste the prompt into Gemini. Replace [Insert DAX code here] with your copied DAX measure and submit the prompt.
- **4. Copy the Output:** Once the AI generates the new DAX script (which should begin with DEFINE and end with EVALUATE {1}), copy the entire code block.

Phase 2: Adding Measures via DAX Query View

- **5. Open DAX Query View:** In Power BI Desktop, navigate to the **DAX Query View** (the fourth icon down on the left-hand navigation pane).
- **6. Paste and Run:** Click the + to open a new query tab. Paste the generated code into the window and click the **Run** button. (It will return a simple result table with a '1', which is expected).

  Note: *If there is an error running the DAX query, copy the error and paste it back into the AI Chat.*
- **7. Add Measures to Model:** Look at the lines starting with MEASURE in your code. Above each one, click the inline action hyperlink that says **Update model: add new measure**.

  Note: *If there is an error with any of the new measures, copy the error and paste the contents back into the AI Chat.*
- **8. Confirm:** Click through each one until all your new formatting measures have been successfully pushed to your data model (they will appear in your Data pane).

Phase 3: Applying Formatting to the Table

- **9. Navigate to Visual:** Switch back to the **Report View** and select your target Table visual.
- **10. Apply Background Color:** - In the Build visual pane, right-click the desired field (e.g., *Status*).
  - Select **Conditional formatting** > **Background color**.
  - Under *Format style*, choose **Field value**.
  - Under *What field should we base this on?*, search for your new measure (e.g., Cndf - Status - Background - Colour) and select it.
  - Click **OK**.
- **11. Apply Font Colour:**
  - Right-click the exact same field again.
  - Select **Conditional formatting** > **Font color**.
  - Under *Format style*, choose **Field value**.
  - Under *What field should we base this on?*, select your new font measure (e.g., Cndf - Status - Font - Colour).
  - Click **OK**.
- **12. Repeat:** Repeat Steps 10 & 11 for any additional columns you wish to format (e.g., Priority, Material Status).