

COPY THE CODE BELOW AND FOLLOW THESE STEPS NOW!!!!:::

1. Open your Google spreadsheet where you want the code (your tpi spreadsheet).
2. In the menu up to the left, press “Extensions” and choose “Apps Scripts”.
3. Now remove all code that is there and replace with this one below AND PRESS CTRL S OR CLICK THE SAVE ICON.
4. On the menu to the left in the editor click the clock or alarm icon (Triggers) and create a new trigger.
5. Choose “rocUpdate” as the function.
Choose Head.
Choose Time driven.
Choose Every minute

Click Save.

6. Now every time you update your TPI score it will automatically change the ROC text with how much change there was compared with 24h ago (for example -0.11) and it will also show you what it was 24 hours ago. When you change the TPI score it will take a minute for the spreadsheet to update the ROC.

It will always compare the ROC to what it was 24h ago. So if you update it 5 times in a day it will still show you the difference to what it was 24h ago (which is what we want).

7. IMPORTANT::: IN THE CODE I HAVE WRITTEN WHERE YOU SHOULD CHANGE IT AND TO WHAT (check the pink below). DM ME FOR PROBLEM SOLVING :):):)

8. Remember to CTRL S after switching out the pink stuff.

```
function rocUpdate() {  
  var sheet = SpreadsheetApp.getActiveSpreadsheet().getSheetByName("YOUR SHEET  
NAME"); // Use the correct sheet name  
  var scriptProperties = PropertiesService.getScriptProperties();  
  
  var currentValue = parseFloat(sheet.getRange("YOUR CELL WHERE THE AVERAGE TPI  
SCORE IS FOR EXAMPLE F31").getValue()); // Get the current value of F31  
  var currentTime = new Date().getTime(); // Get the current timestamp
```

```

// Retrieve the previous value and timestamp from the script properties
var previousValue = parseFloat(scriptProperties.getProperty("previousValue")) || currentValue;
var previousTimestamp = parseFloat(scriptProperties.getProperty("previousTimestamp")) || 0;

// Check if 24 hours have passed (24 hours = 24 * 60 * 60 * 1000 milliseconds)
var twentyFourHours = 24 * 60 * 60 * 1000; // 24 hours in milliseconds
var timeDifference = currentTime - previousTimestamp;

// Round the values to two decimal places before calculating the difference
var roundedCurrentValue = parseFloat(currentValue.toFixed(2));
var roundedPreviousValue = parseFloat(previousValue.toFixed(2));

var difference = roundedCurrentValue - roundedPreviousValue;
var resultText = "";

// Correctly handle the sign and display "PLUS" or "MINUS" with the actual difference
if (difference > 0) {
    resultText = "+" + difference.toFixed(2) + " (Previous: " + roundedPreviousValue.toFixed(2) +
    ")";
} else if (difference < 0) {
    resultText = "-" + Math.abs(difference).toFixed(2) + " (Previous: " +
    roundedPreviousValue.toFixed(2) + ")";
} else {
    resultText = "NO CHANGE (Previous: " + roundedPreviousValue.toFixed(2) + ")";
}

// Set the result in the cell where you want the roc text to be in
sheet.getRange("YOUR ROC CELL").setValue(resultText);

// If 24 hours have passed, store the current value and timestamp as the new reference point
if (timeDifference >= twentyFourHours) {
    scriptProperties.setProperty("previousValue", roundedCurrentValue.toString());
    scriptProperties.setProperty("previousTimestamp", currentTime.toString());
}
}

```

Examples:

Rate Of Change: **+ 0.34 (Previous: -0.94)**



Rate Of Change: **NO CHANGE (Previous: -0.94)**

