Page View prompt

**Objective:**

Analyze page views to:

* Identify **the most-viewed and least-viewed pages**.
* Provide **view counts** for any requested page.
* Track **trends in user engagement** over time.
* Detect **high drop-off rates** and trigger an alert if user engagement significantly decreases before the final step.

**Scope:**

* Identify pages with **highest and lowest views**.
* Compare views between **critical steps** (e.g., from the first page to the last page).
* If the drop-off rate is significant, **trigger an alert** to indicate potential issues in user flow.
* Capture **device/browser trends** and **time-based fluctuations**.

**Approach:**

**Data Collection:**

* Extract **total page views** per page.
* Capture **session IDs, timestamps, and navigation paths**.

**Drop-off Detection & Alert:**

* Define the **drop-off percentage** as:

Drop-off Rate=(1−Views of Last PageViews of First Page)×100\text{Drop-off Rate} = \left(1 - \frac{\text{Views of Last Page}}{\text{Views of First Page}} \right) \times 100Drop-off Rate=(1−Views of First PageViews of Last Page​)×100

* If the drop-off rate exceeds a set threshold (e.g., **50% or more**), an **alert notification** is triggered.

**Insights & Reporting:**

* Provide a **ranked list of pages** from most to least viewed.
* Show **view count trends** (e.g., daily/weekly fluctuations).
* Detect **significant drop-off points** and potential user journey issues.
* Suggest **UX/UI improvements** to optimize the conversion funnel.

**Expected Outcome:**

* **Clear ranking** of pages by views.
* **Time-based trend analysis** for better decision-making.
* **Automated alerts** for major drop-offs in user navigation.
* **Actionable insights** to enhance engagement and conversion rates.