

PowerBuddy for Data Analysis

TALK TO YOUR DATA WITH AN AI ASSISTANT
FOR CONNECTED INTELLIGENCE



It can take countless hours to fulfill data requests from your superintendent, school board, principals, and educators. **With PowerBuddy for Data Analysis, you can easily communicate your needs using natural language, enabling AI to quickly produce SQL queries, visualize data, conduct analysis, and deliver concise insights in minutes.**

Empower your IT team and data analysts through intuitive natural language interactions that allow you to **“talk to your data.”** Simply ask for what you want and need and receive actionable insights from your data without needing to write any SQL queries or code.



Democratize Data Analysis

Make data accessible to all by simplifying how you access and analyze data using natural language questions, eliminating the need for advanced SQL, BI, or AI/ML expertise.



Save Critical Time

Create visual stories in minutes, not hours, reducing workload to focus on more strategic initiatives.



Accelerate Time-to-Decisions

Rapidly explore ad hoc questions, identify trends, and anomalies, and accelerate data-driven decisions while making data more accessible.

Retrieve Data

Create and execute SQL queries using natural language prompts.

Your Question

Show the number of students absent everyday from August 2023 to January 2024 using daily attendance mode

AI Generated Query

```
SELECT ATTENDANCE.SCHOOLID,
COUNT(*)AS TotalAbsences
FROM "PD_APPLEGROVEUNIFIED"."PSSIS" ATTENDANCE_CODE ON
ATTENDANCE.ATTENDANCE_CODEID = ATTENDANCE_CODE.ID
WHERE ATTENDANCE_CODE.PRESENCE_STATUS_CD = 'Absent'
AND ATTENDANCE.ATT_DATE BETWEEN '2024-01-01' AND '2024-12-31'
GROUP BY ATTENDANCE.SCHOOLID
ORDER BY TotalAbsences DESC
LIMIT 1
```

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ATT_DATE	TOTAL_ABSENT_STUDENTS
01	134760
02	121078
03	839722
04	546185
05	319462
06	582396
07	679025
08	334233
09	223754
10	406646
11	801519

Analyze Data

Utilize no-code prompt-based aggregation, summarization, and visualization.

Suggested Analysis

Show an overview of absence patterns by calculating average, middle, and typical spread of daily absences, along with the most common and extreme values.

Show me how student absences have changed day by day over the entire time

Help me spot the unusual absence rates by displaying them in a way that makes the standouts easy to see, like in a boxplot or scatter diagram.

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Employ Conclusions

Ask questions and receive insights and suggestions generated in plain, easy-to-understand, natural language.

Insights From Time Series Analysis

- Seasonal spikes in absenteeism suggest targeting health initiatives and holiday planning.
- Trend analysis highlights potential for strategic attendance interventions.
- Anomalies in data prompt deeper investigations into extraordinary absences.

Further Analysis and Action

- Investigate Seasonal Peaks: Identify overlap between high absentee rates and peak flu season dates.

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Further Analysis and Action

To learn more about PowerBuddy for Data Analysis and PowerSchool AI visit www.PowerSchool.com or call 1-877-873-1550 to learn more.

