

2021 DATAAWARE PULSE SURVEY

In the second annual DataAware Pulse Survey, the emergence of automation continues to take hold, but with caveats. Low- and no-code solutions are losing ground to solutions that provide more flexibility that meets the needs of everyone on the data team.

Survey results reveal that everyone is still feeling the pain, and bottlenecks still persist in the data landscape. More than ever, all roads lead to data engineering. With a painful problem comes a powerful solution, and findings indicate that data teams are already discovering the benefits of automation and flexible coding solutions.

TOTAL RESPONDENTS

406 U.S.-BASED DATA PROFESSIONALS

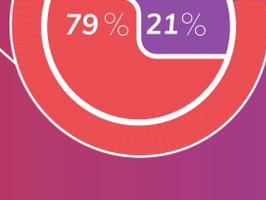


STRUGGLING

WITH THE VOLUME OF DATA?

NO

79% do not struggle with the volume of data.



YES

21% do still battle scaling infrastructures for data volume.

THE NEW

SCALING CHALLENGE

Scaling output and developer productivity is increasingly the greatest challenge data teams face.



96%

of data professionals are at or over capacity and considering scaling to meet data volume requirements a challenge.

Which is compounded by the anticipated growth of data products and the pipelines that fuel them.



of respondents anticipate the number of data pipelines in their organization to increase between now and the end of the year.

Demand for data products forecasted to continue growing faster than the teams who build and support them.



74%

of data professionals indicated their organization's need for data products is growing faster than their team size.

Especially true for data engineer respondents, of which 81% cited the need for data products was increasing at a faster rate than their team size.

A SOLUTION

IS NEEDED FOR ALL MEMBERS OF DATA TEAMS

When asked which tasks in their data ecosystem are the most backlogged, respondents were significantly more likely to identify their own function of the business compared to their peers.

Enterprise architects were



2.7 times

more likely to indicate data architecture as the most backlogged.

Data analysts were



4.5 times

more likely to indicate data analysis as the most backlogged.

Data scientists were



5.1 times

more likely to indicate data science as the most backlogged.

Data engineers were



7.0 times

more likely to indicate data engineering as the most backlogged.

AUTOMATION AND NEW TECHNOLOGIES ARE BECOMING

THE ANSWER

When asked how they plan to increase bandwidth across their team,

AUTOMATION



53%

plan to implement automation technology

PRODUCTS



53%

also plan to buy new products or tools

REPLATFORM



30%

plan to replatform and retire legacy technologies.

Automation is key, but with caveats

Only **4%** of data professionals prefer a no-code user interface.



73% of data teams indicated they would be more likely to use a low- or no-code tool if it offered the ability to use their preferred programming language.