

# DATA ENGINEERING EVOLVED

CONDUCTED IN JUNE 2020  
ASCEND.IO SURVEYED

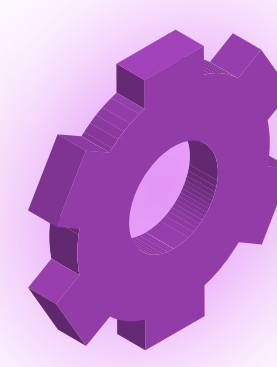
# 329

We are seeing a widespread emergence of low- and no-code solutions, but when it comes to the world of the data professional, how impactful can automation really be?

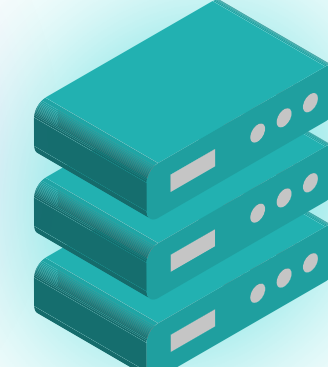
Survey results reveal that everyone is feeling the pain; a bottleneck exists in the data landscape. Digging a layer deeper into our findings, a pattern emerges—all roads lead to data engineering. With a painful problem comes a powerful solution, and findings indicate that data teams are already discovering the benefits of automation, low-, and no-code.



DATA Scientists

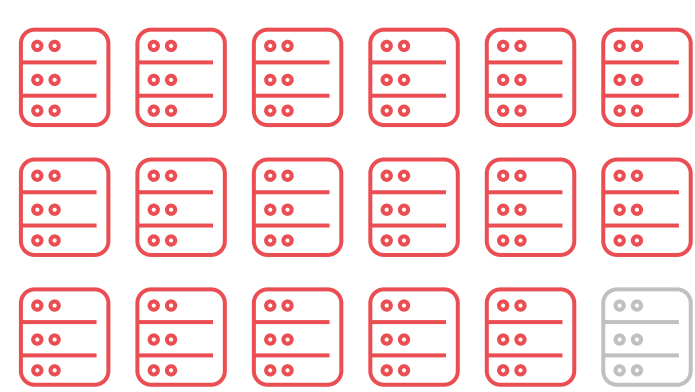


DATA Engineers



ENTERPRISE Architects

## THE POWER OF AUTOMATION, LOW-CODE, AND NO-CODE



# 97%

of data teams are at or above capacity

SINCE THE ONSET OF THE COVID-19 PANDEMIC,

AS A RESULT,

# 78%

of data professionals have been asked to take on responsibilities outside of their core job function

# 89%

of data experts are considering using or already embraced automation, low-, and no-code solutions vs automation

IT IS NO SURPRISE THAT

# 73%

of data pros view automation as a career advancement opportunity

## EVERYONE IS FEELING THE PAIN

ONLY

# 3%

of data teams feel they have spare capacity

71% AT CAPACITY

26% OVER CAPACITY

DATA EXECS (VPS AND DIRECTORS) ARE

# 2x

more likely to indicate that their teams are overloaded than the team leads and individual contributors themselves, signaling a huge backlog in demand by the business

WHEN ASKED WHICH TEAM WAS THE MOST BACKLOGGED, TEAMS WERE

# 3.5x

more likely to identify their own team over the other teams

BUT, there is an interesting pattern emerging....

ALL ROADS LEAD TO

# DATA ENGINEERING

When asked what impeded their work most

# 48%

of data scientists cited access to data and systems

# 54%

of data engineers cited maintenance of existing systems, the very ones providing data access to the rest of the org

RESEARCH SHOWS THERE'S A

## BETTER WAY

Data Teams Level Up With Automation to Advance Careers and Empower Teams



TO INCREASE BANDWIDTH:

respondents indicated these are problems that must be solved with technology, indicating they are

# 1.5x

more likely to invest in automation technology than hiring more staff