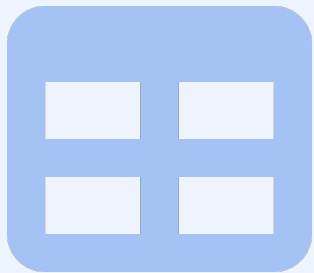


WHAT IS POLARS?



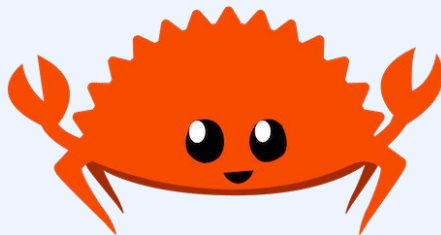
POLARS IS...

A HIGH-PERFORMANCE DATAFRAME LIBRARY.



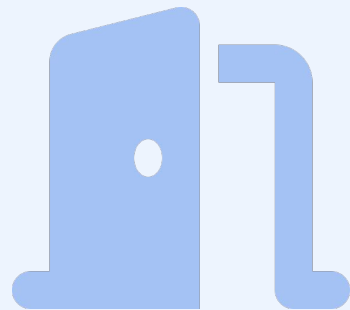
OBJECTIVE

Efficient data
handling and
analysis



BUILT ON RUST

Leverages speed of
Rust programming
language, with a
Python API



OPEN SOURCE

Free to download
and modify

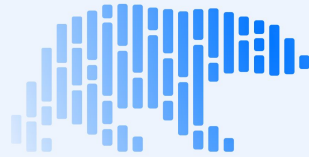
DEVELOPMENT AND ADOPTION

2020

Released in 2020
by Ritchie Vink

75M+

Over 75 million
downloads



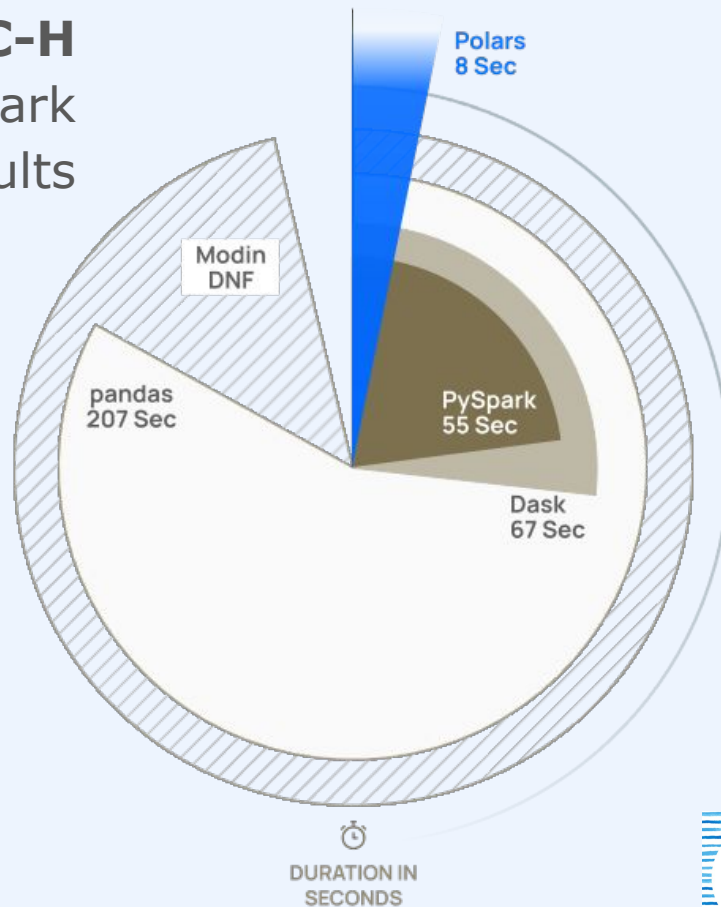
KEY FEATURES

SPEED

30x

Up to 30x faster
than pandas

TPC-H Benchmark Results



PARALLEL COMPUTING AND MEMORY EFFICIENCY

- ★ Automatic multi-threading
- ★ Vectorized operations
- ★ Aggregations in parallel
- ★ Arrow memory format

LAZY EVALUATION (OPTIONAL)

Computational strategy where expressions are **not evaluated until** their values are **needed**

- ✓ Optimized execution plan
- ✓ Reduced resource usage

