

TECH TALK

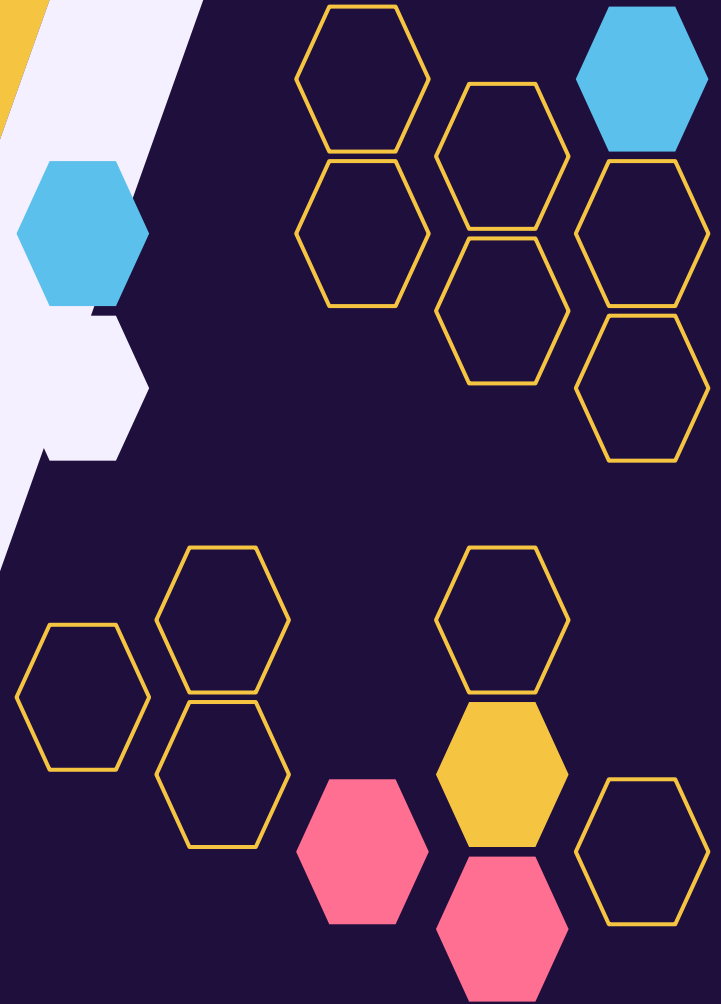
Data Science Essentials

From raw data to decisions

PRESENTED BY
Presenter Name

DATE
2026

CONTACT
hello@yourdomain.in



Agenda

01 Introduction

02 Architecture

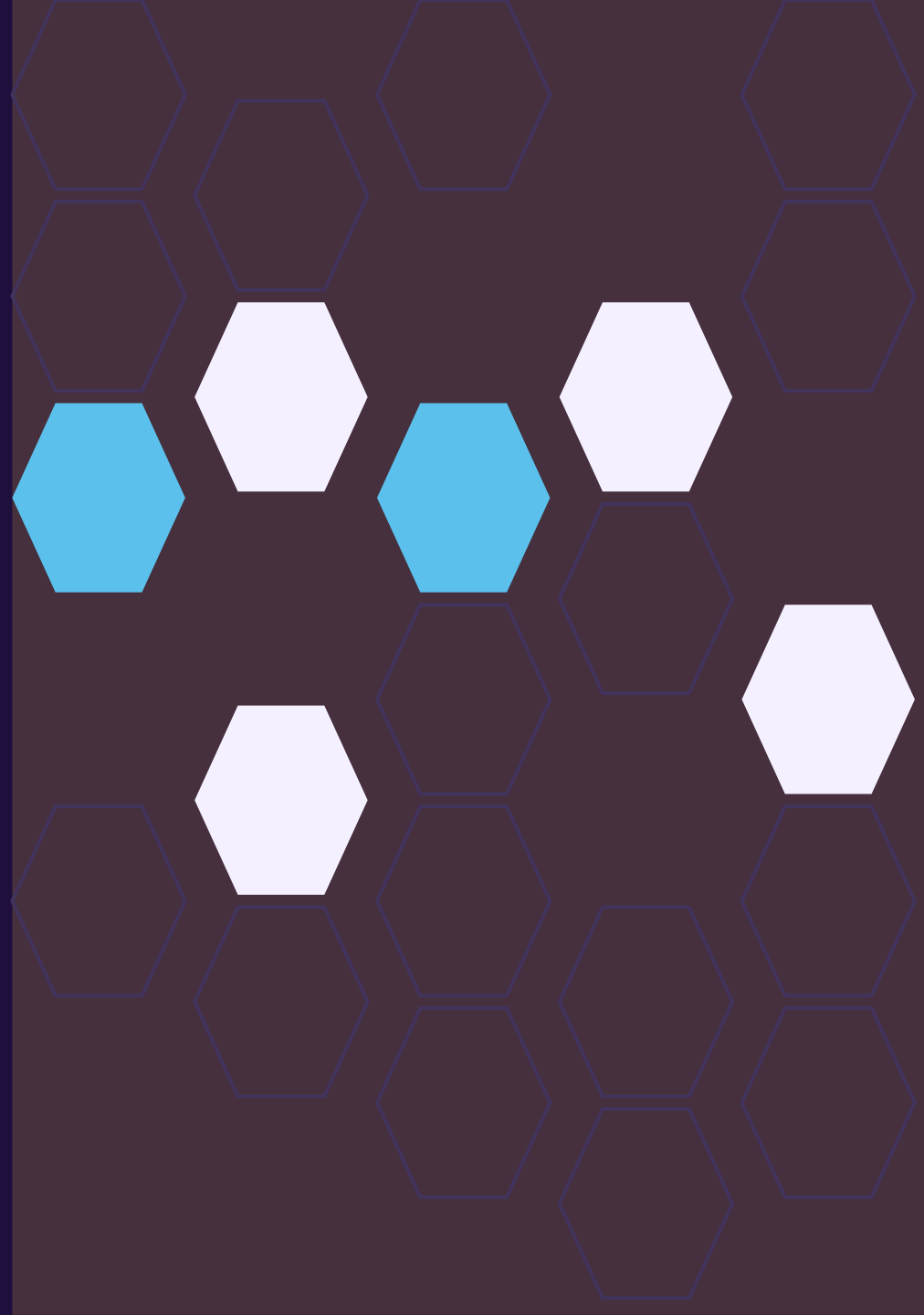
03 Trends

04 Adoption



01

INTRODUCTION





**Data is only useful
when it changes a
decision.**

Why it matters

Overview

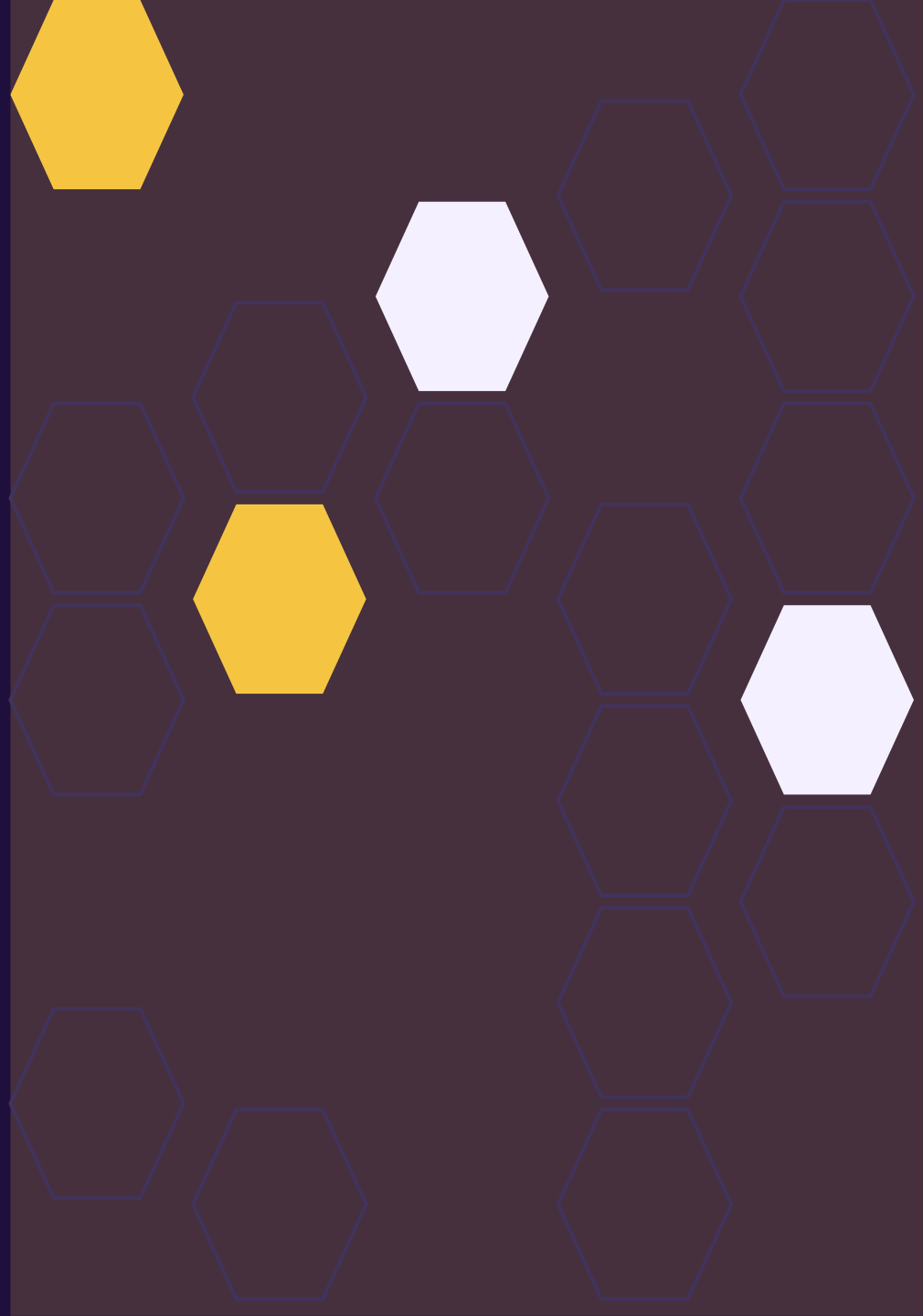
- ▶ Data science turns data into insight and predictions
- ▶ It combines statistics, programming and domain knowledge
- ▶ Used in business, health, sports and government
- ▶ Clean data and clear questions matter most

KEY IDEA

Start with the question, not the algorithm.

02

ARCHITECTUR E



How it works

1

Ask

Define the question

2

Collect

Gather and clean data

3

Model

Analyse and predict

4

Share

Visualise and decide

Core components

01

Data

Sources, quality and storage.

02

Models

Statistics and machine learning.

03

Communication

Charts and stories.

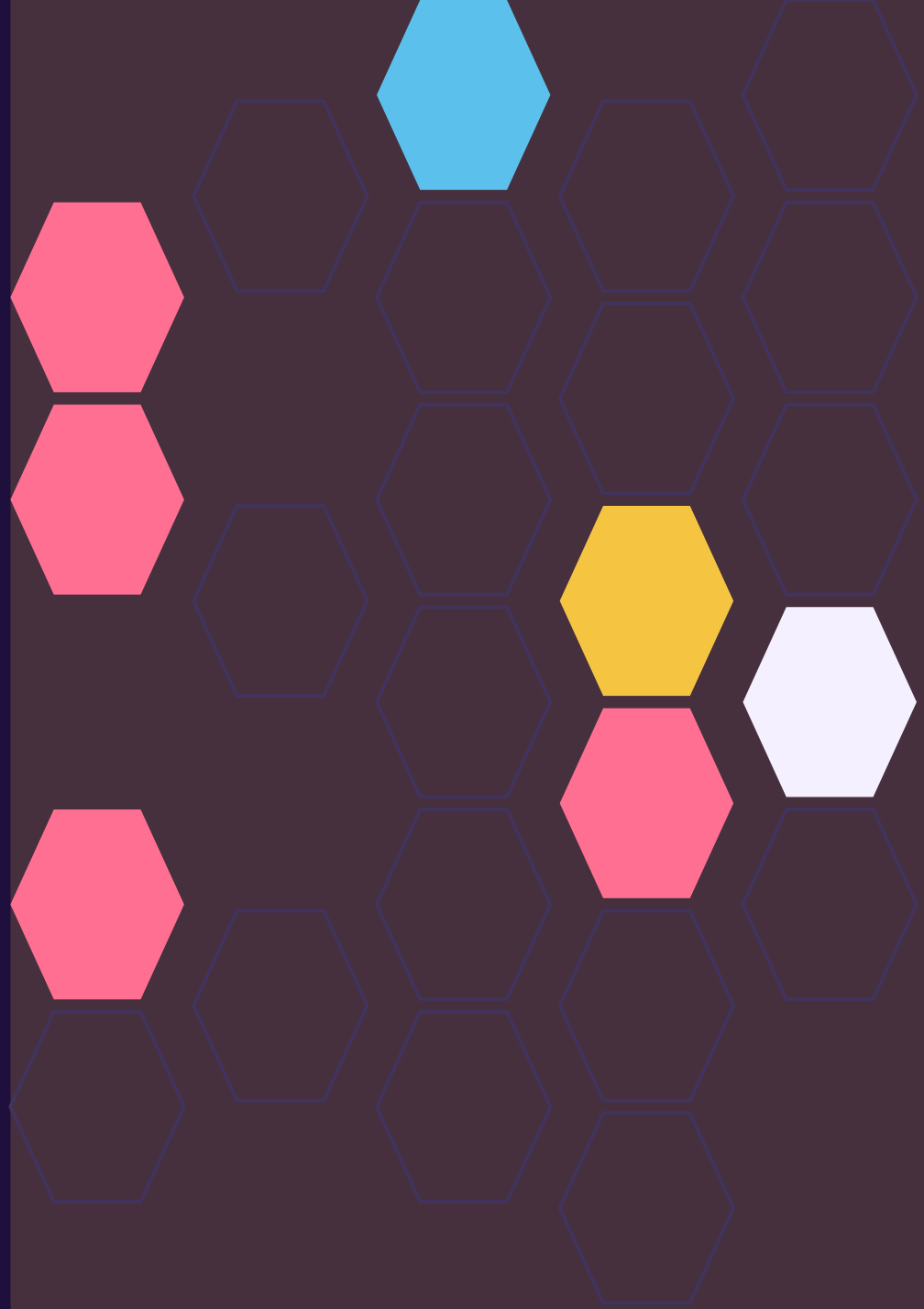
Tools and options

Layer	Popular choices	Notes
Languages	Python, R, SQL	Python is most common
Tools	Notebooks, BI dashboards	Share results easily
Libraries	pandas, scikit-learn	Free and open source

Generic examples; pick what fits your project.

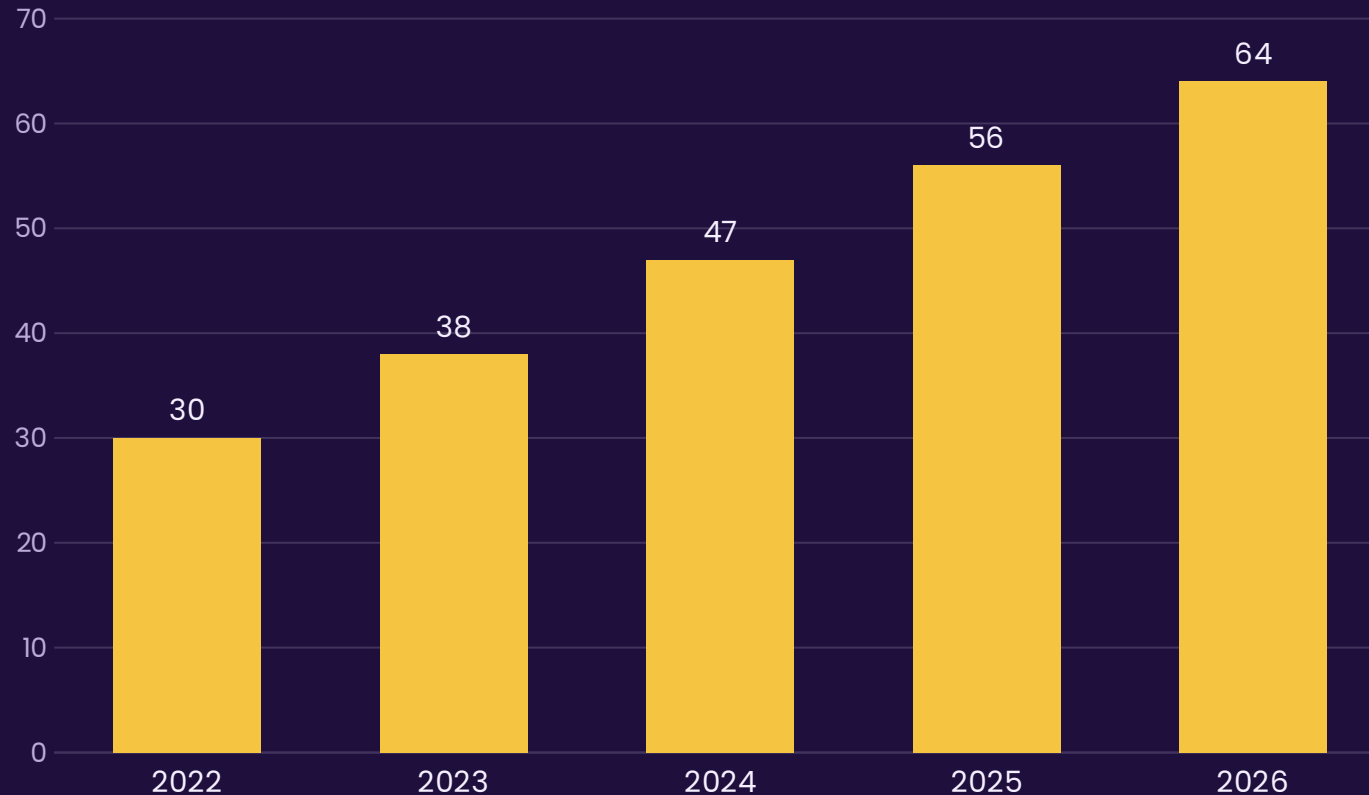
03

TRENDS



TRENDS

Adoption over time



Sample data for illustration — replace with your own figures.

Adoption keeps rising as tools mature (sample data).

Use cases



Image 1

Retail

Demand forecasting



Image 2

Health

Risk prediction



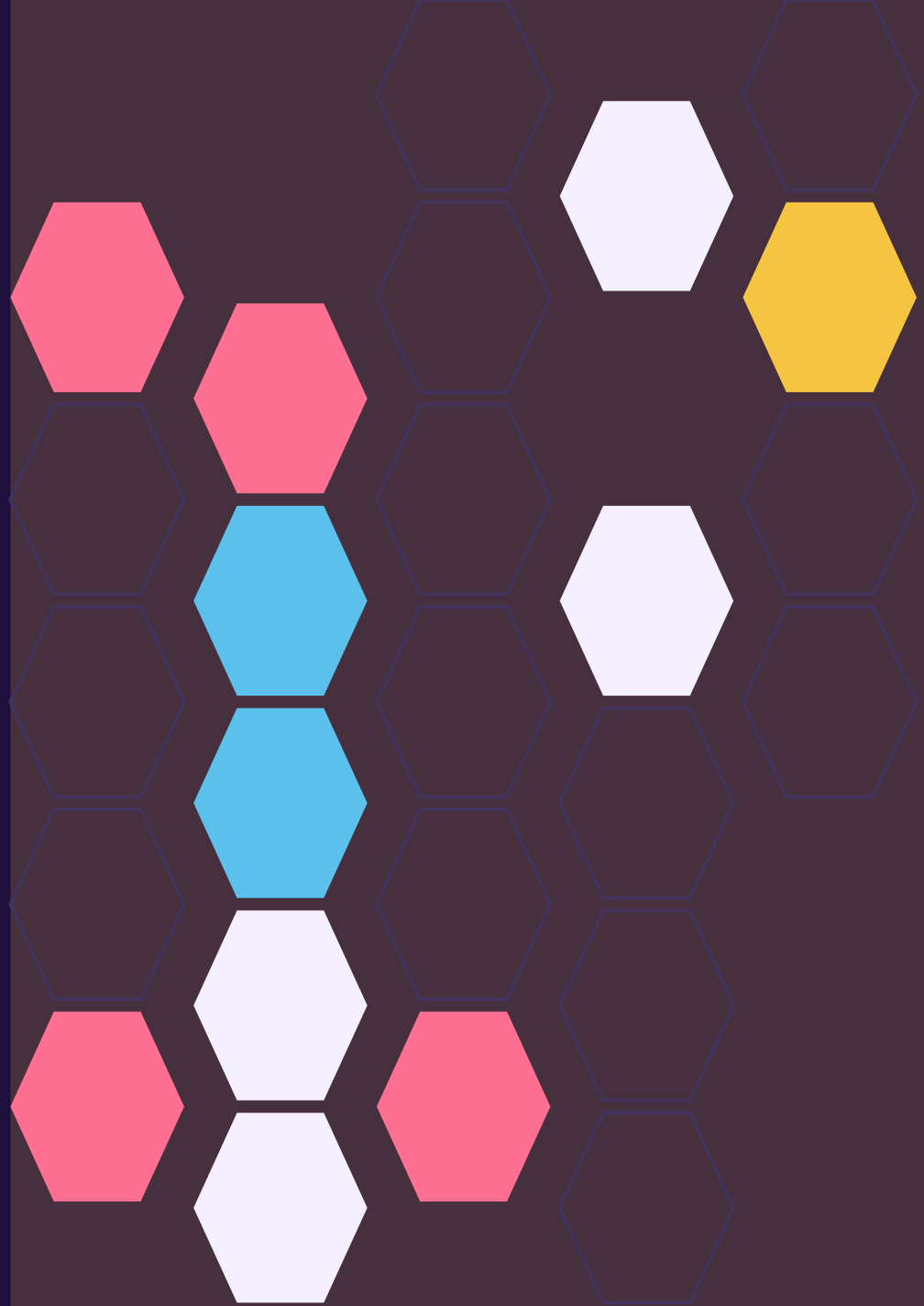
Image 3

Sports

Performance analysis

04

ADOPTION



Benefits and risks

Benefits

- ✓ Better decisions
- ✓ Finds hidden patterns
- ✓ Automates reporting

Risks

- Bad data, bad results
- Privacy concerns
- Skills shortage

Best practices

01

Clean first

80% of work is preparation.

02

Keep it simple

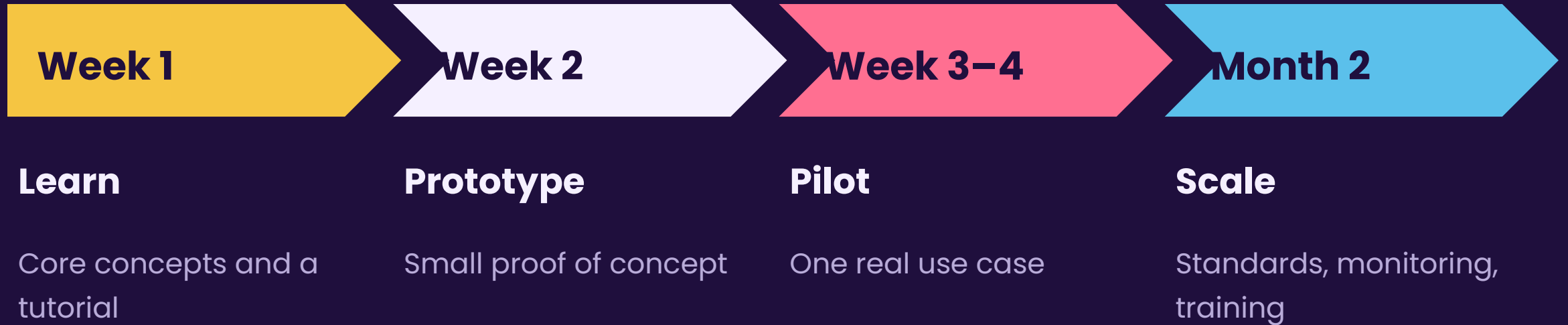
Simple models are easier to trust.

03

Tell a story

One chart, one message.

Getting started roadmap



Questions?

Thanks for your time.

Presenter Name

hello@yourdomain.in

