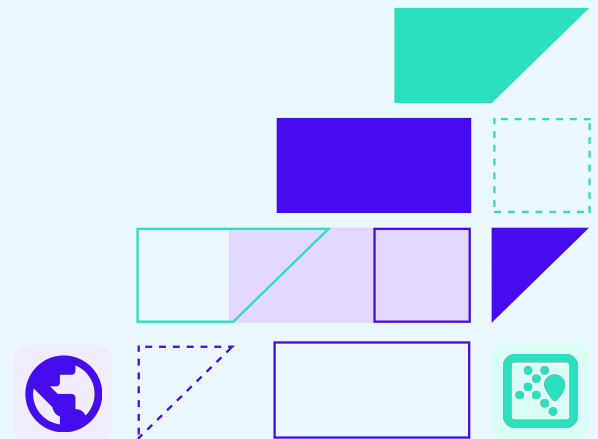# SAP TechEd

SAP TechEd

Build Analytical Applications with ABAP Cloud
DT187v

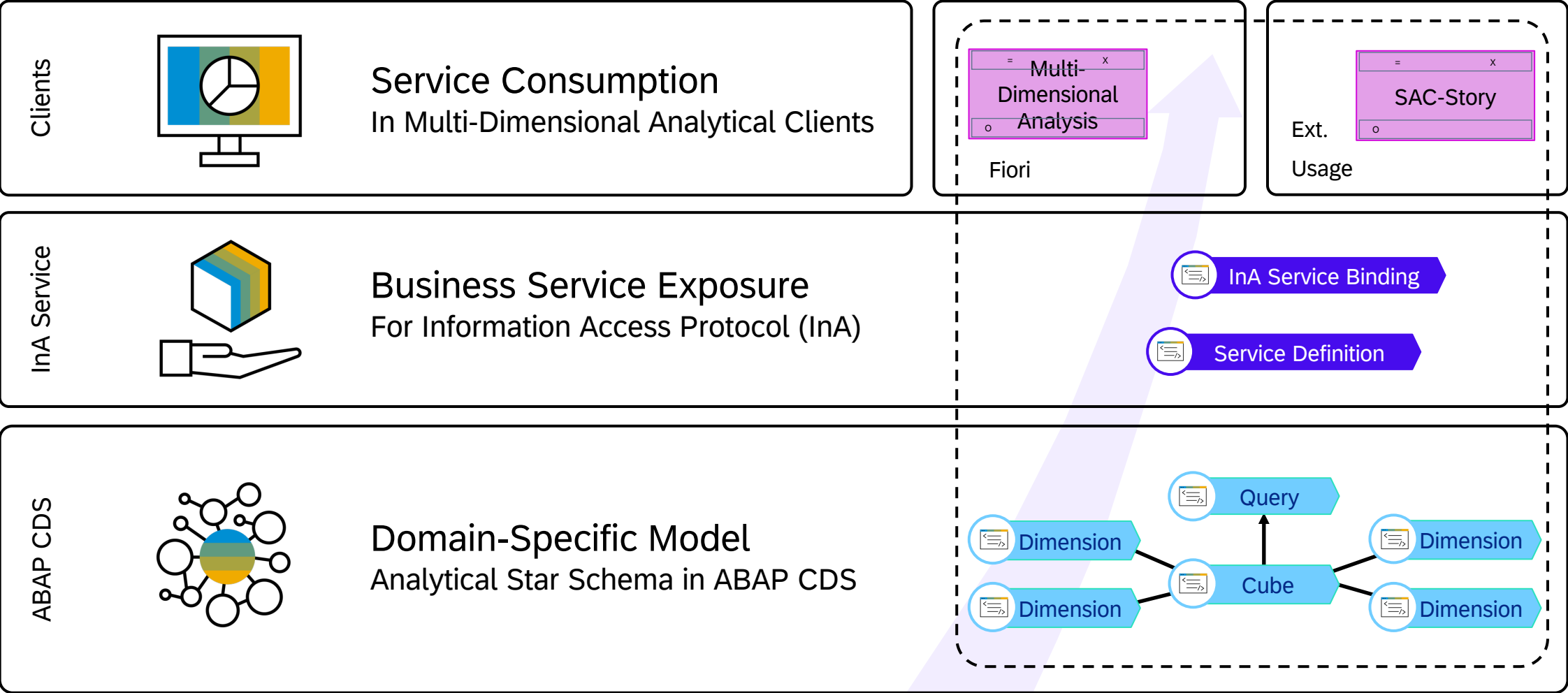Niloofar Flothkoetter and Andreas Riehl
November 3, 2023

This "Jump Start Session" is about …

- Understand hands-on goal

- Get to know the developer flow
  - building analytical applications with ABAP Cloud
  - in the hands-on situation within the trial systems

- Get started using the [GitHub Repo](#) (Demo)
  - Structure of the repository
  - How to get support

- Ask questions (chat)

- Learn about planned evolution of Fiori integration

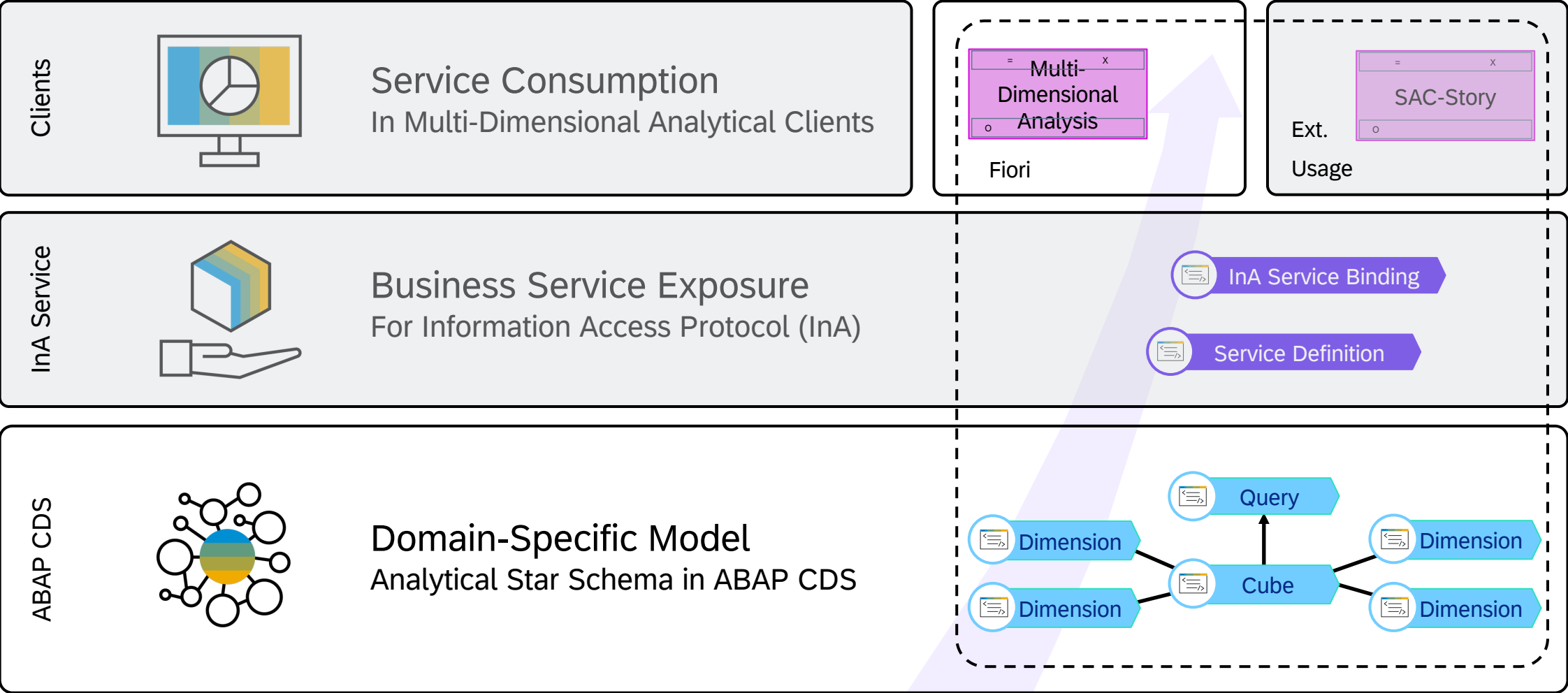- Follow-up learning and hands-on options

Goal of the Hands-On Tutorial

- Introduction to analytical data modelling with ABAP Cloud

- Build an analytical application
  - that uses SAP's Flight Demo Model to
  - to analyse the occupation rate of flights from different perspectives
  - at your own pace and with support through GitHub

- You will learn
  - basic analytical ideas and terms (measures & dimensions, cubes & queries)
  - analytical data modelling principles (the star schema)
  - the meaning of "multi-dimensional" analytics

Standard Developer Flow

Clients

Service Consumption
In Multi-Dimensional Analytical Clients

Multi-Dimensional Analysis

Fiori

SAC-Story

Ext. Usage

InA Service

Business Service Exposure
For Information Access Protocol (InA)

InA Service Binding

Service Definition

ABAP CDS

Domain-Specific Model
Analytical Star Schema in ABAP CDS

Query

Dimension

Dimension

Cube

Dimension

Dimension

Hands-On Developer Flow (in Trial)

Clients

Service Consumption
In Multi-Dimensional Analytical Clients

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Hands-On Developer Flow (in Trial)

Clients

Developer Preview
In Multi-Dimensional Analytical Client

Multi-Dimensional Analysis

Fiori

ABAP CDS

Query

Dimension

Dimension

Cube

Dimension

Dimension

Domain-Specific Model
Analytical Star Schema in ABAP CDS

Demo

[GitHub Repository](#) and Getting Started in the ABAP Development Tools

Future Fiori Integration for Embedded Analytics *

- Charts for the Multi-Dimensional Analysis App
- Automation of analytical UI creation for Multi-Dimensional Analysis
  - Generate Multi-Dimensional End-User UIs based on an analytical query
- FIORI Elements Support for analytical app Development
  - Analytical Floorplan
  - Analytical Building Blocks
- Additional Fiori UIs & Controls (e.g., Smart Business, …)
- Combination of Transactional & Analytical Data in one App / UI

* The product outlook presented here is for informational purposes and cannot be considered as binding or guaranteed.
  Please consult official roadmaps for the most accurate and up-to-date information regarding our products.

What you can do Next

- Call to Action!
  - Use the Trial Project to Explore Further Possibilities (e.g. Hierarchies or another Cube)
  - Have a look at the recent ABAP Cloud Sessions at Devtoberfest 2023 (Blog Post)
  - Check out Use ABAP Cloud for Developer Extensibility (TechEd Hands-On Session)

- Continue Reading
  - Analytical Data Modeling & Live Data Connection to SAP Analytics Cloud (SAP Help)
  - Developing for Analytics with the SAP BTP ABAP Environment (GitHub hands-on)
  - Develop and Consume Queries on SAP Analytics Cloud (Tutorial)
  - Analytical Data Modeling with ABAP Cloud I (Concepts) (Blog Post)
  - Developing for Analytics with the SAP BTP ABAP Environment (Blog Post)
  - CDS Analytical Projection Views – the new Analytical Query Model (Blog Post)

SAP Analytics Cloud Story
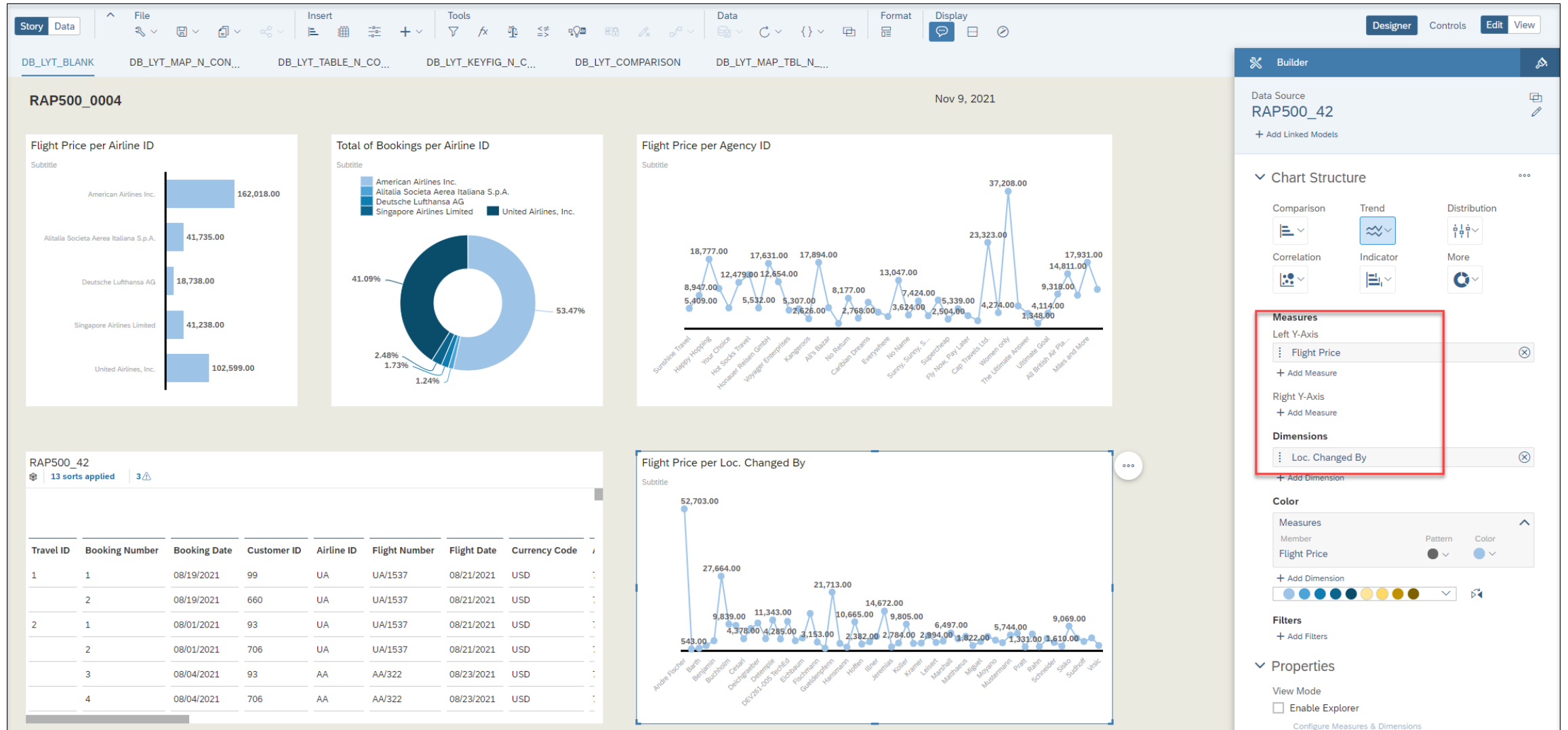
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92% Are more confident in their abilities*

*"[2023 Value of IT Certification Candidate Report](#)," Pearson VUE, 2023.

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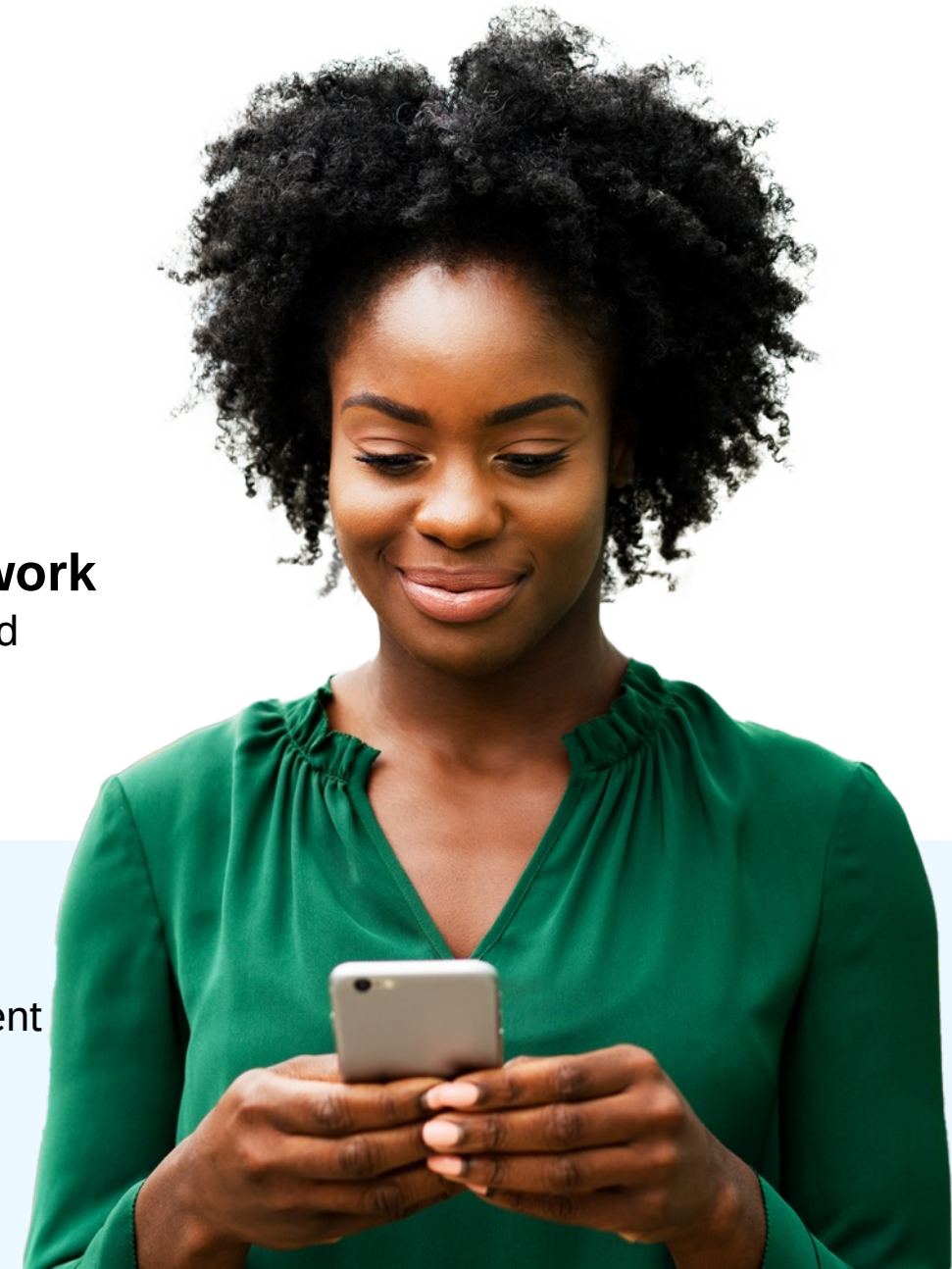exams

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Thank you

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