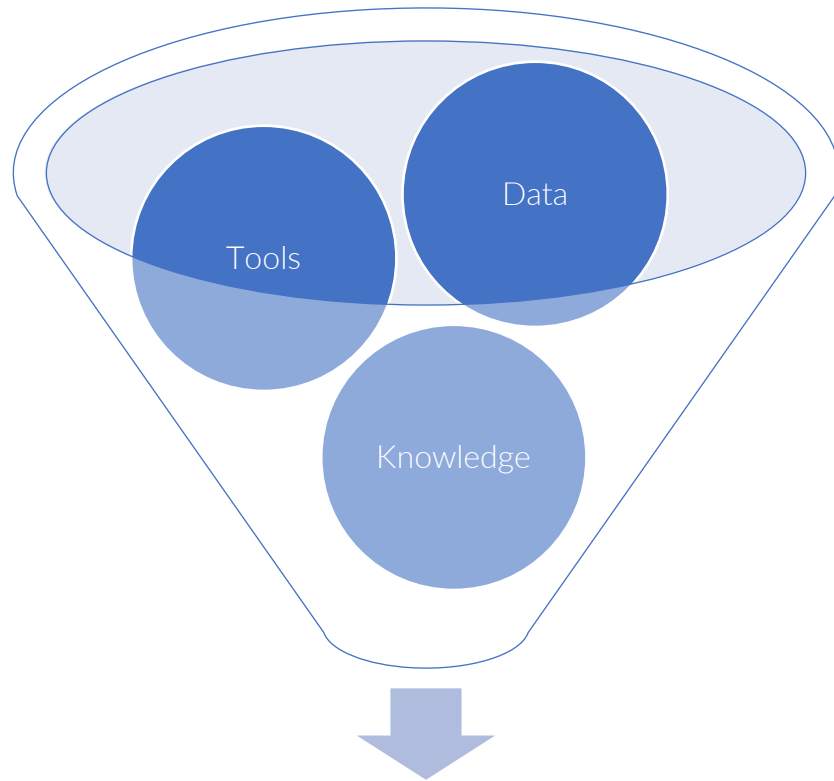# Power BI Online Course & Challenge

POPULAR®

Introduction Meeting

Welcome! Thanks for joining!
We will begin shortly!

Information Driven Decisions

POPULAR®

Tools

Data

Knowledge

Information Driven Decisions

Get / Clean Data → Calculate → Visualize → Evaluate

Value added by Activity

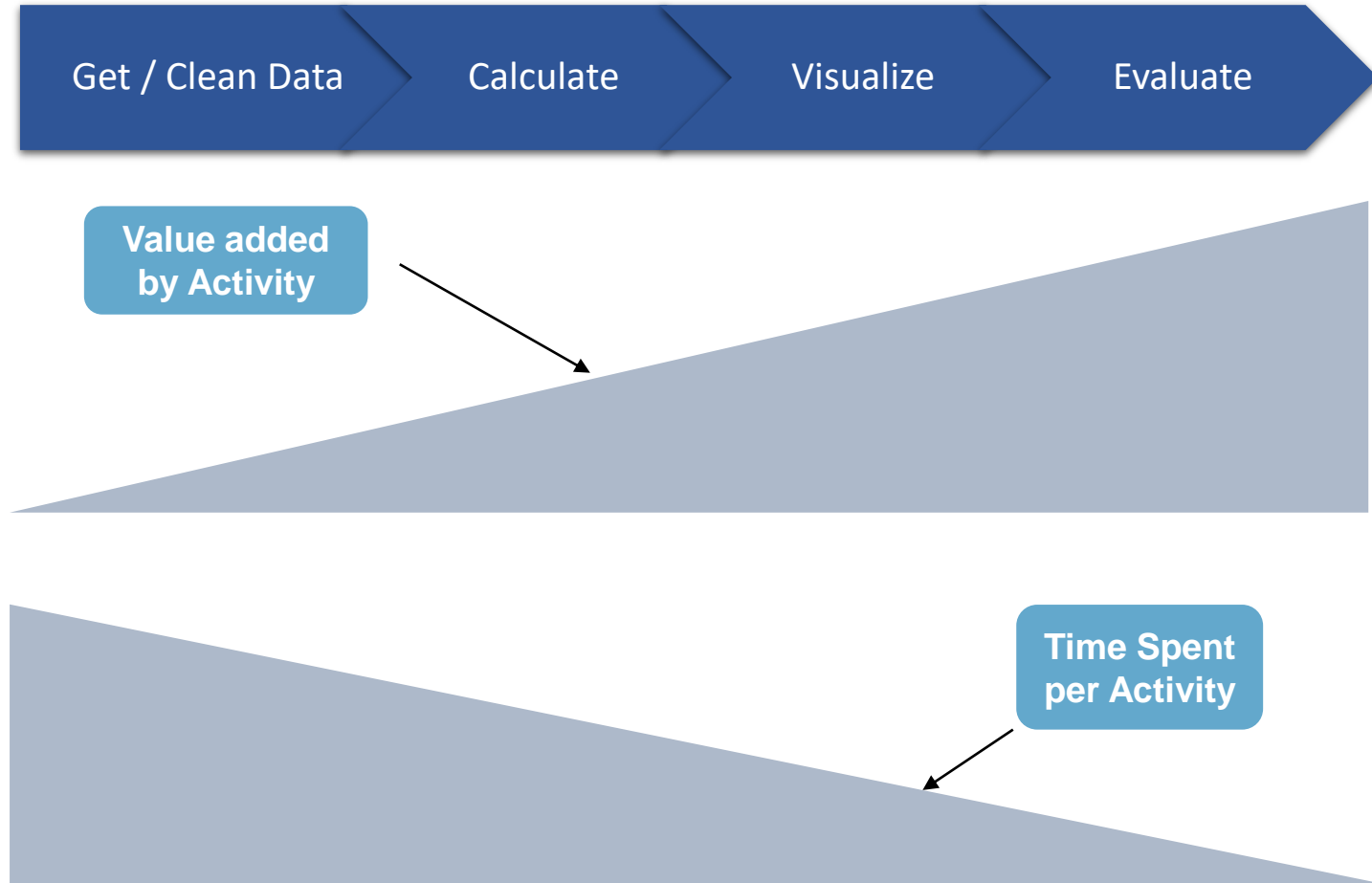Time Spent per Activity

Power BI Demo

Power BI Online Course & Challenge

POPULAR

Challenge Instructions

Power BI Challenge Objective

The purpose of this challenge is to give you an opportunity to showcase your:

- ❑ Power BI skills
- ❑ analytical/critical thinking
- ❑ communication

Challenge Components

POPULAR

Report development using Power BI Desktop

Import and transform raw data as instructed. *(Details on Slide 4)*

You report should contain at least 3 pages:

Sales & Profit Analysis *(Details on Slide 5)*

Regional Analysis *(Details on Slide 6)*

Executive Summary *(Details on Slide 7)*

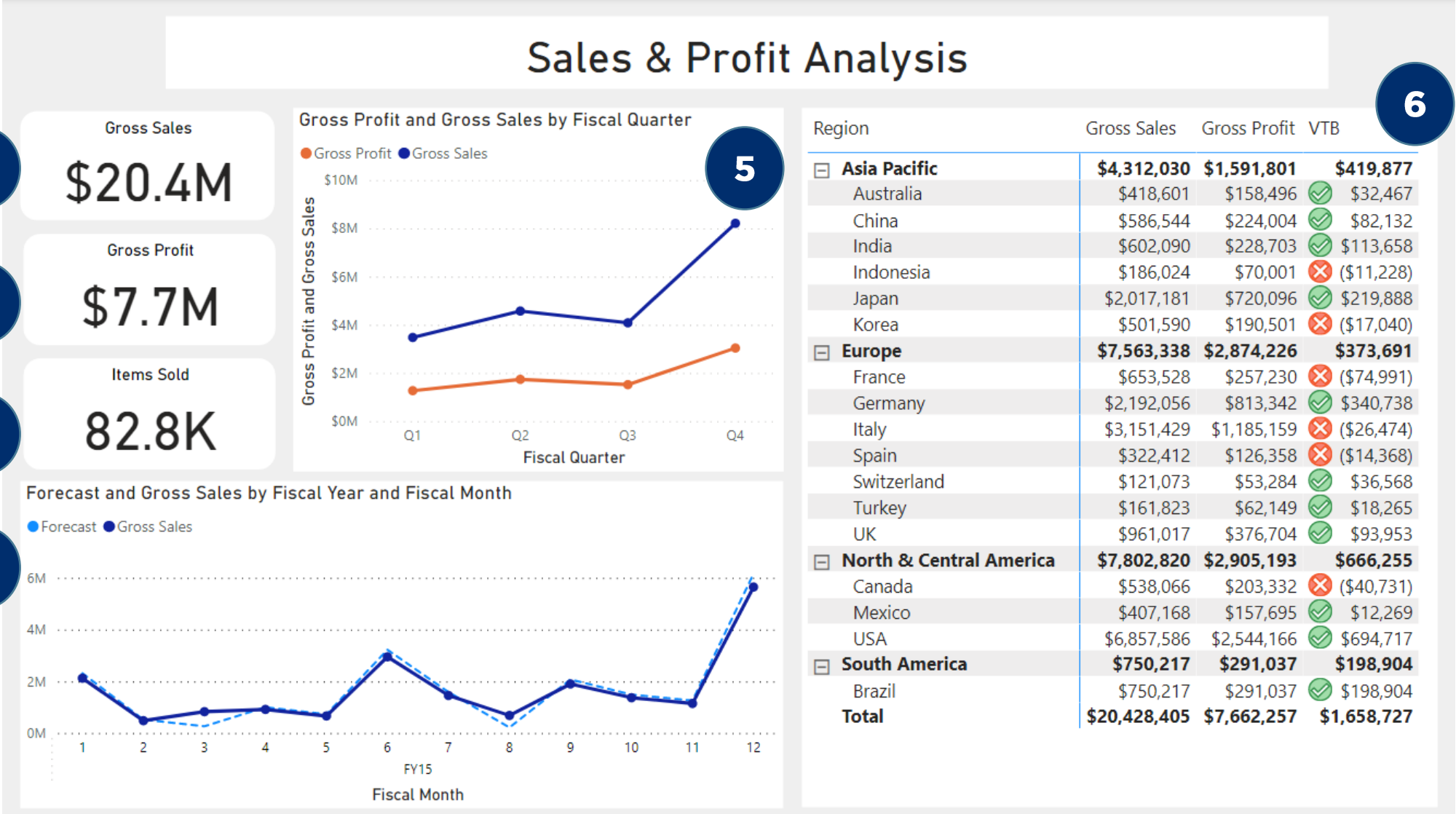You can earn additional points by completing the exercises included on *Slide 8*.

Report presentation

Details on slide 9

Data Processing

- Import the data from the file called *Challenge Data.*

- Add the following columns to the data:

  Fiscal Year: Calculate using the date column. It should have the letters FY and the last two (2) digits of the year. Example: FY20. *Hint. Add Prefix.*

  Fiscal Quarter: Calculate using the date column. It should have the letter Q and the quarter number. Example: Q2. *Hint. Add Prefix.*

  Fiscal Month: Month number calculated from the date column.

  Fiscal Month Name: First three (3) letters of the month name calculated from the date column

  VTB: Gross Sales – Target

Sales & Profit Analysis

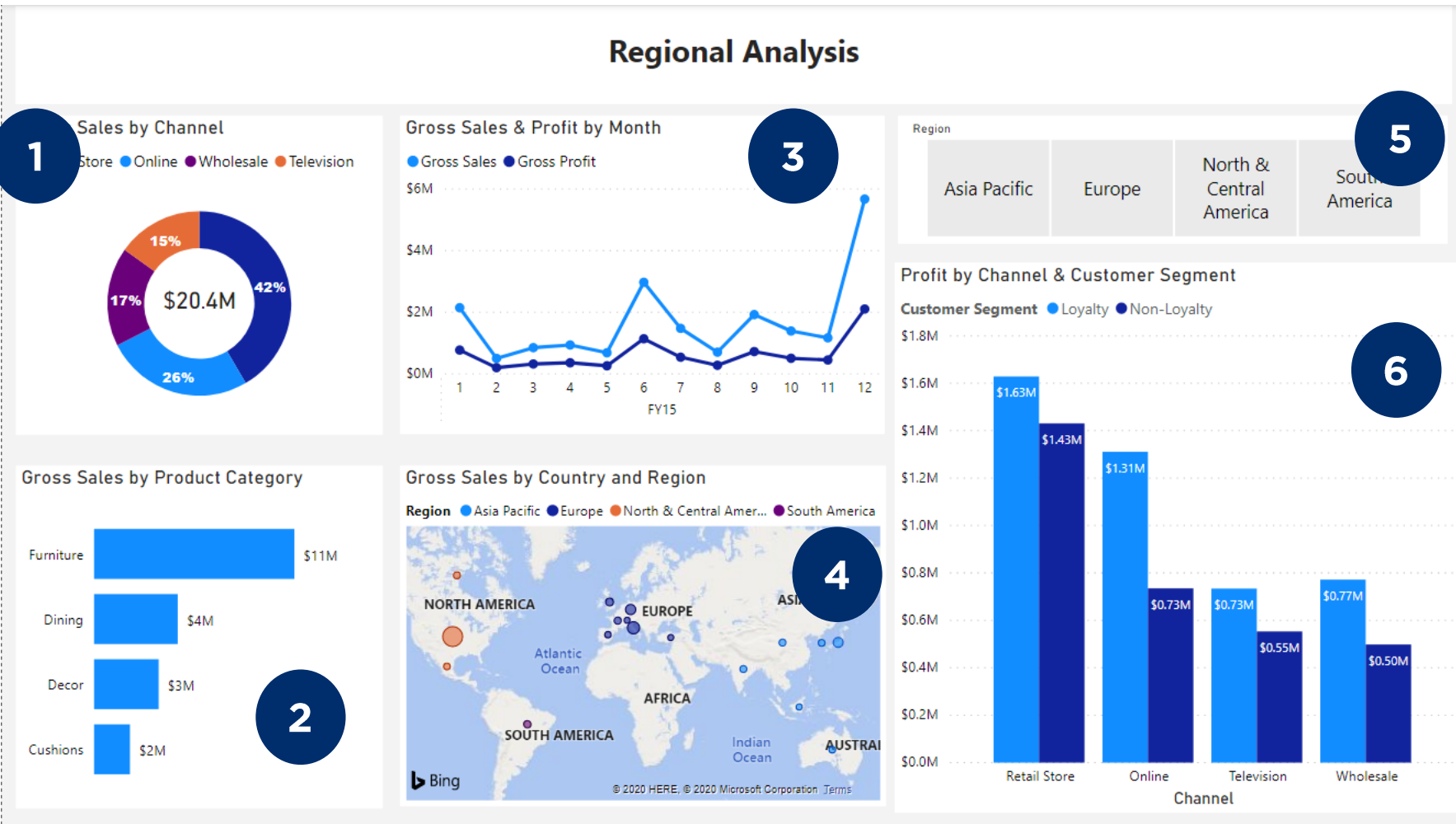Fields per visual:
1) Gross Sales
2) Gross Profit
3) Product
4) Forecast, Gross Sales
5) Gross Profit, Gross Sales, Fiscal Quarter
6) Region, Country, Gross Sales, Gross Profit, VTB

Conditional Format for VTB column:
Greater than zero (0): Green
Less or equal to zero (0): Red

Regional Analysis

Fields per visual:
1) Gross Sales, Channel
2) Gross Profit, Product Category
3) Gross Sales, Gross Profit, Fiscal Year, Fiscal Month
4) Gross Sales, Country, Region
5) Region
6) Gross Profit, Channel, Customer Segment

Executive Summary Page

POPULAR®

Create a page called executive summary and add the visualizations you consider necessary to show the overall performance of the company.

Elements to consider for the page design:

1. Humans tend to start reading at the top-left corner of the page and move towards the bottom-right corner.

2. Do not include more than 7 visualizations.

Bonus Points

POPULAR®

1. Create a Menu Page with buttons that will take the user to the pages on the report. (5pts)

2. Synchronize the Region slicer across all pages of the report. (5pts)

3. Dynamic Titles: Create a title at the top of the Regional Analysis page to show the region selected by the user on the slicer. For example, if the user selects *Europe* the title should say "Regional Analysis – Europe". (5pts)

4. Enable drill through filters to allow the user to filter a specific *Product Category* from the Executive Summary page to the *Sales & Profit* page. (10pts)

5. Create a report page tooltip to show additional information on the *Executive Summary* page. The report page tooltip should include a dynamic title. (15pts)

6. Add a column called VTB% to the data with the calculation VTB/Target. If the Target is zero (0), VTB% must be zero (0). (5 pts)

Presentation

On **Demo Day** you will have **15 minutes** to present the <u>Overall Summary Page</u>. As part of your presentation make sure to cover:

1. KPIs selected and why you selected them

2. Visualizations selected and why

3. Rationale for the location of the visualizations in the page

Challenge Prize

As part of the experience, we will be selecting the **3 participants** who best met the evaluation criteria of the challenge.

$100.00
for the 3 selected
participants

Participation in Data
Analytics Summer
internship 2023
(subject to meet program's requirements)

Power BI Online Course & Challenge Schedule

Course begins

Participants Enrollment

Submission Day

Due date to submit your dashboard and presentation

Demo Day

Challenge Presentations

| 11/17 | 11/18 | 11/28 | 12/7 | 12/8 | 12/9 |

Introduction Meeting

Microsoft Teams

Challenge Confirmation

Confirm your participation in challenge via email

Course ends

No access to course at 11pm

POPULAR®

POPULAR

QUESTIONS?

If you have comments or questions, open your mic or let us know in the **chat**.

Power BI Online Course & Challenge

Introduction Meeting

Welcome! Thanks for joining!
We will begin shortly!