

## **WELCOME TO FP20 ANALYTICS & ZOOMCHARTS CHALLENGE "North America Retail Supply Chain and Sales Analysis"**

### **ABOUT**

We are delighted to introduce the FP20 Analytics Challenge 10, brought to you in collaboration with ZoomCharts. Thanks to this partnership, we're integrating ZoomCharts' exceptional Power BI solution into this competition to enrich your skill in creating excellent reports that help business users explore data quickly and intuitively.

[Register for the Challenge here](#) and receive a Drill Down Visuals Developer License for Power BI.

### **INTRODUCTION**

Below is your show time. Read me carefully!

#### **Timeline**

The challenge will run from **4th October 2023 at 15:00pm UK time** and end on **3rd November 2023 at 12:00pm UK time**.

#### **Tools**

Reports will be presented for this challenge only in **Power BI**.

#### **Access to the Group and Forum**

Link to our challenges group can be found here:

<https://www.linkedin.com/groups/12751070/>

Link to FP20 Analytics Challenges website can be found here:

<https://fp20analytics.com/challenge>

## THE BRIEF

### **\*IMPORTANT\***

#### **Report Insights**

As part of the FP20 Analytics Challenge 10, participants will gain access to a comprehensive dataset focusing on Retail Supply Chain and Sales for a specified company.

The challenge tasks you to dissect key performance indicators, including loss revenue transactions, extended delivery timelines, and return rates, among other metrics. Your insights will be instrumental in shaping a robust retail logistics strategy, geared towards achieving operational sustainability while meeting customer expectations for swift and cost-effective delivery.

Create a report allows end-users to find answers to the following questions:

1. Which City/State had the best retail supply chain management?
2. What was the average delivery days for different product category?
3. What was the average delivery days for each segment?
4. What were the 5 fastest delivery products?
5. What were the 5 slowest delivery products?
6. Which salesperson had the lowest return rate?
7. Can we find the correlation between ship mode and return rate?
8. Which ship mode had the lowest/highest return rate?
9. Which top 5 customers made the most profit?
10. Feel free to provide more insights around Supply Chain, Geography, Product and Sales.

#### **Reports Technical requirements:**

- Reports are restricted to a maximum of two pages.
- Canvas size is 16:9 (Default Power BI Size) or Full HD size = w:1920 - h:1080.
- Create a Power BI report including at least 2 ZoomCharts Drill Down Visuals

#### **Reports Judging Criteria**

Business users use reports to make data-driven decisions. That's why reports are called effective if they enable users to drill down and filter data quickly and intuitively to find answers to any question they might have and analyse data in all possible directions and dimensions. We will evaluate:

1) How easy is it to understand the data? (max 10 points)

- Is too much text used for explanation?
- Are the indicative colors in charts instinctually understandable?
- Does it tell a story?

2) How easy-to-use is the report? (max 14 points)

- Cross-chart filtering implementation across the report. Can other visuals provide relevant data as the user explores the report?
- Response time
- Drill Down: multi-layer data exploration. Can the user drill down and gain additional insights within the report?
- Use of tutorial overlays and other elements to assist new users. Can a new user start using this report straight away with just the guidance provided within the report itself?

3) How good is the report design and is it suitable for its purpose? (max 10 points)

- Visual design: is the overall look consistent, no empty spaces, no overcrowding?
- Interface design: are there unnecessary visualisations/buttons/complexity in use?
- UX design: is the produced report usable?
- Report design: is the main challenge answered?
- Technical: are all the fonts used the same, are the sizes readable?

You are encouraged to use various techniques at your disposal, such as tooltips, drill-throughs, drill-downs, cross-chart filtering and page navigation features, to enhance your analysis.

## **The Resources**

There is 1 Excel dataset.

1. An Excel spreadsheet with 2 tabs.
2. PDF with the Intro and Brief.
3. PDF with the Intro and Brief in the Spanish Language.

ZoomCharts resources that will inspire you to mastering Power BI reports that end-users will love:

1. [Use-Case Gallery](#): Try live demos and download reports made by the ZoomCharts team
2. [Video tutorials](#): Watch engaging video guides on how to set up and use the visuals

3. [Documentation](#): Technical deep-dive about ZoomCharts visuals
4. [ZoomCharts Blog](#): Useful tips & tricks for data visualization and report creation
5. [Visuals Gallery](#): Explore all the possible customization options for Drill Down Visuals.

## Submission of entries

### **\*IMPORTANT\***

To submit your two-page report, please follow these steps:

1. [Submit your entry .pbix file here](#). Your report will undergo validation to ensure it meets all the technical requirements. If the report is validated, you will receive a 'Publish to Web' link. If it does not meet the requirements, you will receive a rejection reason and will have the opportunity to resubmit your report.

2. Upload your publish to web link on NovyPro.

Note: If you opt to post your report on NovyPro, for instructions on how to do this, refer to the provided video link.

**NovyPro:**

<https://www.novypro.com/>

**Instruction Video:**

<https://www.youtube.com/watch?v=jkcAYgFGWUY>

3. Post your submission on LinkedIn:
  - Upload the report as a PDF document on your LinkedIn feed.
  - Use the caption, "I am participating in FP20 Analytics Challenge 10", along with screenshots from your report.
  - Include a brief summary about your report's key insights and publish to web or NovyPro link.
  - Use the hashtags #FP20Analytics, #FP20AnalyticsRetailSupplyChainandSales #builtwithzoomcharts, tag @Federico Pastor and @Zoomcharts.
  - Additionally, post your report in the FP20 Analytics LinkedIn Community Group.
4. Follow [ZoomCharts on LinkedIn](#).