# Exiting the Back-Office as a Data Scientist: Playing a Strategic Role

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DATA SCIENCE CONFERENCE – ENSEA

# Agenda

1. Introduction
2. How to Move Out of the Back Office
3. Cases Studies
4. Closing Pitch
5. Q & A

# Introduction

Section 1

1

# Introduction

## BACK OFFICE ?

The term **"back office"** typically refers to the part of a company that is concerned with operations that don't directly generate revenue or interact with customers. These can include roles involved with administration, operations, logistics, IT, and some data science roles.

## DATA SCIENTISTS ARE ALSO AFFECTED...

In many organizations, **data scientists traditionally operate in these back-office roles**. Their primary responsibilities are often centered around internal data analysis, developing algorithms, and creating data models to help the company understand its performance, predict future trends, and make data-driven decisions. **While these activities are crucial, they often occur behind the scenes, with data scientists primarily interacting with data and machines rather than clients or stakeholders.**

## PURPOSE OF THIS PRESENTATION

- **Help data scientists break free from the back-office stereotype and take on a more strategic role in their organizations.**
- **Explore strategies, skills, and examples that can guide data scientists to better increase their influence, demonstrate the strategic value of their work, and ultimately enhance their career growth and job satisfaction.**


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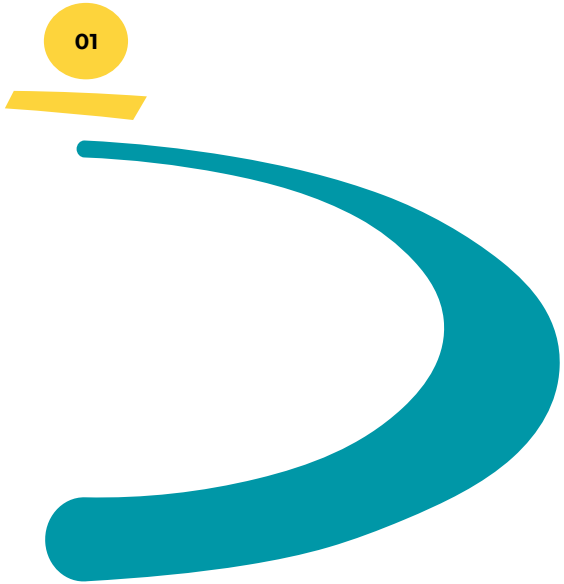
# How to Move Out of the Back Office

Section 2

# Roadmap to Exit the Back-Office Stereotype

01 - Understanding the Business ➤



# Understanding Business

## *The First Step to Exit the Back Office*

### Company Research

Invest time to understand your company's products, services, and culture. Familiarize yourself with its history, competitors, and overall position in the industry. Keep abreast of the latest company news and updates.

### Technical Domain Knowledge

Domain knowledge enables you to ask the right questions and make meaningful interpretations of the data. You'll be better equipped to build models that reflect the realities of the industry, and your insights will be more accurate and actionable.

### Industry Awareness

Understand the broader industry context. Stay updated with industry trends, news, and changes. This knowledge can assist in creating data models and analytics that are relevant and impactful.

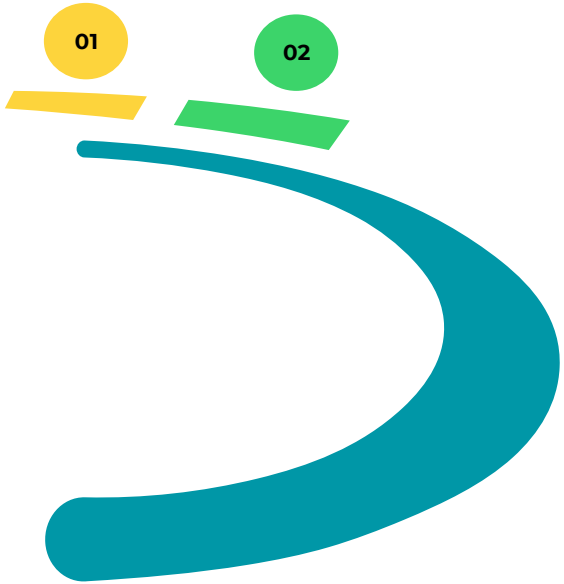
### F For more insights...

- ➔ Harvard Business Review: Understanding Business Strategy
- ➔ Why Every Employee Needs Business Strategy Training
- ➔ Becoming a Domain Expert: The Missing Step in Data Science

# Roadmap to Exit the Back-Office Stereotype

01 - Understanding the Business ➤

02 – Developing Communication Skills ➤



# Mastering Communication

## *The Key to Unlock Influence*

### Technical Translation

Translating complex data analysis into easily understandable information is a critical skill. This helps non-technical stakeholders make informed decisions based on your insights.

### Storytelling with Data

Domain knowledge enables you to ask the right questions and make meaningful interpretations of the data. You'll be better equipped to build models that reflect the realities of the industry, and your insights will be more accurate and actionable.

### Simplicity is Key

Aim to simplify your message. Avoid jargon and overly technical language when discussing results or data analysis with non-technical audiences.

### Proficiency in English

Improve your English language skills. A high level of proficiency in English, both written and spoken, ensures that your insights and analyses are clearly understood by all.

**F** **For more insights...**

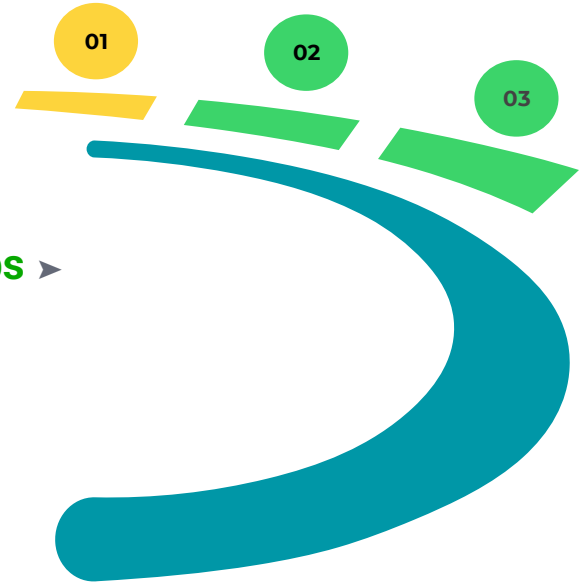
- ➔ Storytelling with Data
- ➔ Improving Your Data Science Communication Skills

# Roadmap to Exit the Back-Office Stereotype

01 - Understanding the Business ➤

02 - Developing Communication Skills ➤

03 – **Networking and Professional Relationships** ➤



# Cultivating Professional Relationships

## *Expanding Your Influence and Opportunities*

### The Power of Networking

Networking is not just about meeting new people; it's about building a professional support system that can open doors and facilitate collaboration.

### Join Professional Communities

Participate in industry-specific communities. This could be online discussion groups, forums, or local chapters of professional organizations.

### Attend Industry Events

Conferences, seminars, meetups, and webinars provide excellent networking opportunities. Participate actively, engage with presenters and attendees, and foster relationships.

### LinkedIn and Professional Social Networks

Leverage platforms like LinkedIn to connect with peers, industry leaders, and potential collaborators. Engage by posting relevant content, joining discussions, and sending personalized connection requests.

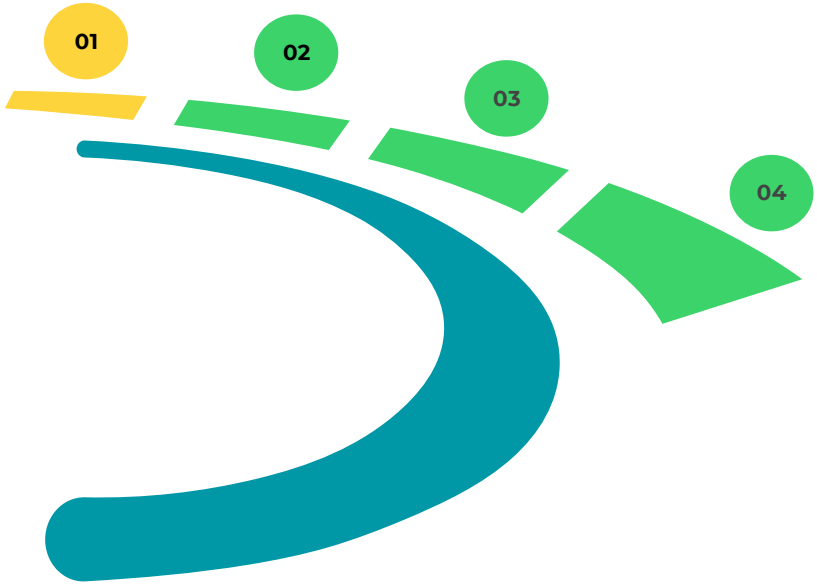
# Roadmap to Exit the Back-Office Stereotype

01 - Understanding the Business ➤

02 - Developing Communication Skills ➤

03 - Networking and Professional Relationships ➤

04 - Collaboration with Other Teams ➤



# Cross-Functional Collaborations

## *Providing Value to Non-Technical Teams*

### Identify Common Challenges

Proactively engage with non-technical teams to understand their day-to-day struggles, information gaps, and areas where data could provide improvements.

### Automate Tedious Tasks

Identify tasks that are time-consuming or repetitive for other teams. Provide automated solutions through data science techniques, thereby increasing their productivity and your visibility.

### Continuous Engagement

Maintain regular interactions with these teams to iterate and improve on the solutions provided. This also helps in building strong relationships and understanding emerging needs.

### Build Tools That Empower Them

Develop user-friendly data tools that non-technical teams can use to extract insights independently. This not only helps them but also frees up your time for more strategic tasks.

# Roadmap to Exit the Back-Office Stereotype

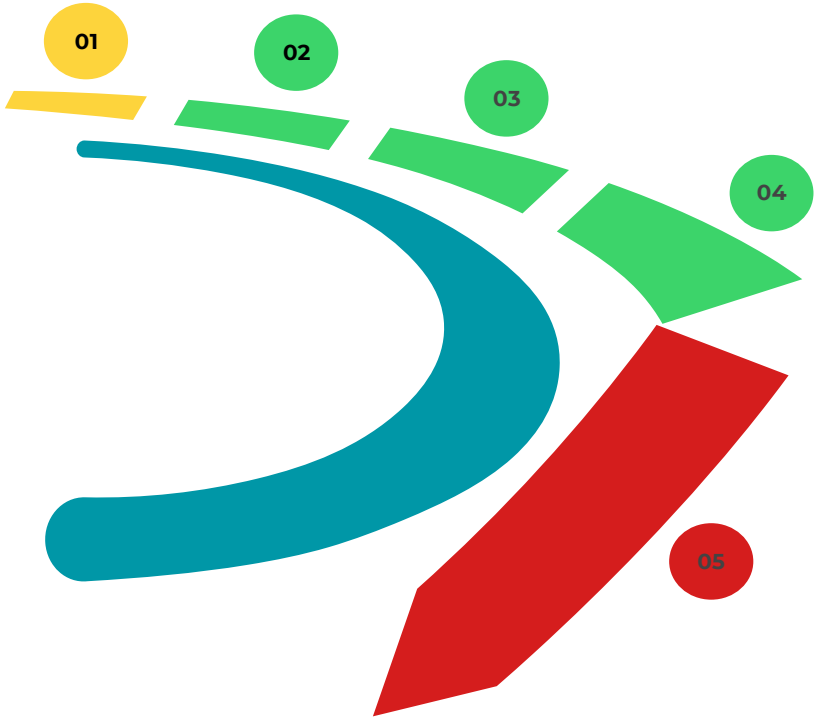
01 - Understanding the Business ➤

02 - Developing Communication Skills ➤

03 - Networking and Professional Relationships ➤

04 - Collaboration with Other Teams ➤

05 – **Ultimate Tip** ➤

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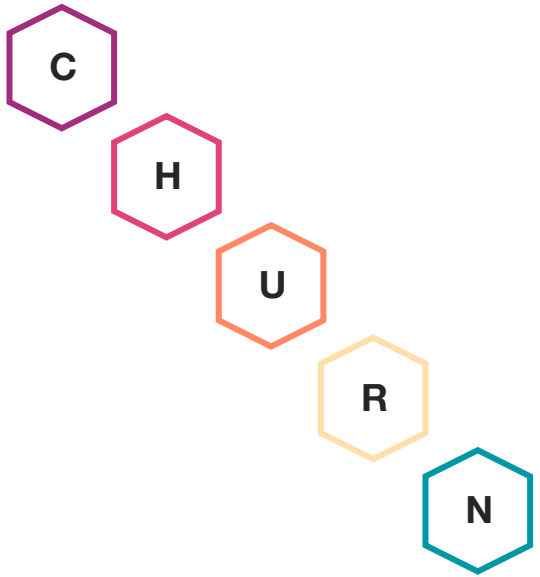
# 🎯 Ultimate Tip...

- If everything goes well after applying the previous tips...


- Otherwise, ...





# Cases Studies

Section 3

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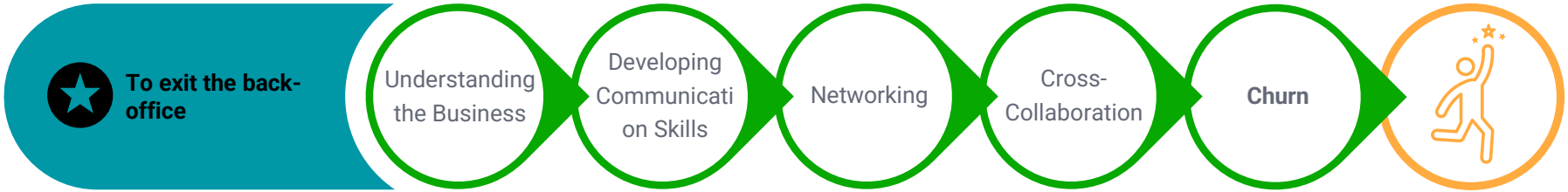
**The presenter gave examples of cases where data scientists have moved out of the back office.**

# Closing Pitch

Section 4

4

# Summary


To exit the back-office
Understanding the Business
Developing Communicati on Skills
Networking
Cross-Collaboration
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# Q & A

Section 5