

STAT8107 / COMP8107 STATISTICAL (AND MACHINE) LEARNING (METHODS)

Case Study 2025



Stakeholder Insight Report: Marking Rubric (Total: 100 Marks)

Title (5 Marks)

Purpose: Capture attention and communicate the focus of your analysis.

- Fail: Missing, generic, or unclear title; does not reflect the analysis. (0-2 marks)
- Pass: Basic title that communicates the topic, but lacks clarity or appeal. (2.5 marks)
- Credit: Relevant and informative title; gives a good sense of the analysis. (3-3.5 marks)
- **Distinction**: Clear and well-phrased title that reflects the key message. (4 marks)
- **High Distinction**: Creative, engaging, and precise title that captures both the theme and value of the analysis. (5 marks)

Executive Summary (5 Marks)

Purpose: Provide a 1-page overview of the purpose, key findings, and recommendations.

- Fail: Missing, unclear, or overly brief. (0–2 marks)
- Pass: Covers core ideas with basic structure and coherence. (2.5 marks)
- Credit: Reasonably clear and informative. (3–3.5 marks)
- Distinction: Clear, concise and well-aligned to stakeholder needs. (4 marks)
- High Distinction: Sharp, strategic, and compelling standalone summary. (4.5-5 marks)

Introduction & Business Context (10 Marks)

Purpose: Set the scene for stakeholders; explain why credit card churn matters for Tifosi Bank

- Fail: The introduction is vague, lacks relevance, or fails to connect the issue of churn to business priorities. (0-4 marks)
- Pass: Provides a basic introduction, but lacks depth or clear relevance to stakeholder concerns. (5 marks)
- Credit: Clearly frames the problem and outlines its business relevance. May not fully engage or contextualise the issue. (6-7 marks)
- **Distinction**: Effectively introduces the issue with strong business context. Shows good understanding of stakeholder concerns. (8-9 marks)
- **High Distinction**: Engaging, insightful introduction with a compelling rationale. Clearly explains why churn matters and how the analysis informs strategic priorities. (10 marks)



Analytical Overview (15 Marks)

Purpose: Describe what was done in accessible terms. Avoid technical jargon.

- Fail: The process is unclear, overly technical, or inaccessible to non-specialists. (0-7 marks)
- Pass: Basic overview provided, but lacks clarity or uses too much technical detail. (8 marks)
- Credit: A clear, plain-language explanation of the approach. Mostly jargon-free. (9-10 marks)
- **Distinction**: Well-structured and engaging overview, making the process easy to follow for stakeholders. (11-13 marks)
- **High Distinction**: Exceptionally clear and succinct. Effectively simplifies the analytical process while retaining meaning. Tailored expertly for a non-technical audience. (14-15 marks)

Key Insights & Visual Storytelling (20 Marks)

Purpose: Highlight important findings using clear visuals and narrative.

- Fail: Findings are unclear, underdeveloped, or visuals are missing or confusing. (0-9 marks)
- Pass: Some key results presented, but the narrative or visualisation lacks clarity. (10 marks)
- Credit: Good use of visuals to present findings. Clear, structured explanation. (11-13 marks)
- **Distinction**: Strong integration of visuals and text. Key insights are easy to grasp and well-supported. (14-17 marks)
- **High Distinction**: Insightful and compelling narrative. Visuals are crisp, relevant, and elevate understanding. Storytelling is highly effective. (18-20 marks)

Strategic Implications (20 Marks)

Purpose: Translate findings into business value. What should Tifosi Bank do?

- Fail: Implications are unclear, missing, or disconnected from the findings. (0-9 marks)
- Pass: Some relevant interpretation, but lacks depth or clarity in actionability. (10 marks)
- Credit: Clear interpretation with links to business action. May not fully explore implications. (11-13 marks)
- **Distinction**: Thoughtful and actionable interpretation. Connects analysis to strategic decision-making. (14-17 marks)
- **High Distinction**: Insightful, well-grounded recommendations. Demonstrates strong business acumen and deep understanding of organisational context. (18-20 marks)

Conclusion & Takeaway (10 Marks)

Purpose: Summarise and leave the stakeholder with a memorable message or next step.

- Fail: No clear summary or takeaway. (0-4 marks)
- Pass: Basic summary, but lacks impact or next-step thinking. (5 marks)
- Credit: Clear summary with some concluding insight or direction. (6-7 marks)
- **Distinction**: Strong wrap-up with memorable takeaway and reflection on limitations/future steps. (8-9 marks)
- **High Distinction**: Compelling and insightful conclusion. Reinforces key message and offers clear direction for the business. (10 marks)



Communication Style & Structure (5 Marks)

Write professionally for a stakeholder audience. Ensure flow and clarity.

- Fail: Poorly written or disorganised. Unclear who the audience is. (0-2 marks)
- Pass: Mostly readable and structured, but inconsistent or unengaging. (2.5 marks)
- Credit: Clear and logical structure. Reasonably engaging for business readers. (3-3.5 marks)
- Distinction: Well-structured, concise, and fluent. Strong business communication style. (4 marks)
- **High Distinction**: Polished and engaging throughout. Seamless narrative flow, professionally written for stakeholders. (4.5-5 marks)

Visual Presentation & Formatting (5 Marks)

Purpose: Use visual tools effectively. Present a professional-looking report.

- Fail: Poor layout, missing or unhelpful visuals, hard to follow. (0-2 marks)
- Pass: Visuals present but not well integrated. Layout could be improved. (2.5 marks)
- Credit: Visually clear and mostly well formatted. (3-3.5 marks)
- Distinction: Clean, professional layout. Visuals support narrative effectively. (4 marks)
- **High Distinction**: Visually compelling, elegant design. Every element enhances readability and impact. (4.5-5 marks)

Source Code Quality & Reproducibility (5 Marks)

Purpose: Demonstrate clean, well-documented, and reproducible analysis.

- Fail: Code is disorganised, incomplete, or cannot be run. (0-2 marks)
- Pass: Code runs with some effort; basic organisation and documentation present. (2.5 marks)
- Credit: Code is reasonably tidy and mostly reproducible. Moderate use of comments or structure. (3-3.5 marks)
- **Distinction**: Well-structured, readable code with meaningful comments and good use of functions or modular design. (4 marks)
- **High Distinction**: Clean, elegant, and fully reproducible code. Clear workflow, well-commented, and easy to follow for reviewers. (4.5-5 marks)