# [TITLE HERE]
# The Data Mine – Project Closure

| Version | <Identify the version number> |
|---|---|
| Author | <Name of the Author(s)> |
| Created On | <MM/DD/YYYY> <br> <Date when the document was originally created> |
| Description | <Describe the context and usage of the document> |
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# Table of Contents

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# 1. Executive Summary

Provide a high-level summary of the project, including:

## 1.1. Objective:
The overall goal of the project (e.g., "To build a recommendation engine for e-commerce users").

## 1.2. Scope:
The major deliverables and the scope of work covered during the project.

## 1.3. Outcome:
Briefly describe if the project objectives were met, including the final results (e.g., "The recommendation engine is deployed and generating X% higher conversion rates").

## 1.4. Business Impact:
A summary of the project's value to the business or organization.

# 2. Project Scope and Deliverables

## 2.1. Original Project Scope:
Describe the scope defined at the beginning of the project, including the business needs, goals, and features that were planned.

## 2.2. Final Project Deliverables:
2.2.1. Model(s) (e.g., ML Models, Predictive Analytical Models)
2.2.2. Dashboards/Reports (e.g., Power BI, Tableau dashboards)
2.2.3. Codebase (e.g., repositories, notebooks)
2.2.4. Data Pipelines or Data Integrations
2.2.5. Documentation (e.g., technical documentation, user guides)

## 2.3. Scope Changes:
Document any scope changes during the project lifecycle (e.g., feature adjustments, new requirements).

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# 3. Project Achievements and Successes

### 3.1. Key Milestones:
Provide a summary of major milestones and the dates they were achieved.

### 3.2. Project Highlights:
Highlight the key accomplishments or breakthroughs achieved during the project (e.g., "Achieved a 10% improvement in model accuracy" or "Successfully integrated real-time data feeds").

### 3.3. Business Value Delivered:
Link the project's results back to business value—e.g., "Increased sales by 15% within the first month of deploying the recommendation model."

# 4. Challenges and Lessons Learned

### 4.1. Challenges Encountered:
Identify any challenges or obstacles that occurred during the project (e.g., data sharing issues, data quality issues, model training problems, integration difficulties).

### 4.2. Mitigation Strategies:
Describe the actions taken to mitigate the challenges or resolve issues (e.g., "Used synthetic data to train models during missing data periods").

### 4.3. Lessons Learned:
Document the lessons learned that could help improve the process for future projects (e.g., "Ensure clean data before starting model training" or "Include data engineers earlier in the process").

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# 5. Stakeholder and Team Feedback

### 5.1. Stakeholder Satisfaction:
Provide a summary of stakeholder feedback on the final outcomes, whether they feel the project objectives were met, and if any further enhancements are required.

### 5.2. Team Feedback:
Get input from the project team on what went well, what could have been done better, and any improvements for future projects.

# 6. Financials and Resource Usage

### 6.1. Budget: (Optional) *(for Corporate Partner Liaisons)*
Provide the original budget and the final project cost, including labor, software, hardware, or cloud infrastructure expenses.

### 6.2. Resource Utilization:
Break down how resources were allocated, including the number of people, skill sets, and time spent on various phases of the project (e.g., Data Cleaning, Model Development, Testing, etc.).

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# 7. Performance Metrics and Results

### 7.1. Key Performance Indicators (KPIs):

List the KPIs that were tracked during the project and compare the pre- and post-project metrics. Some examples of KPIs for AI/ML/Data Science projects could include:

- Accuracy of models (e.g., classification accuracy, F1 score)
- Time-to-insight (e.g., speed of delivering actionable data insights)
- System performance (e.g., response time, scalability)
- Business impact (e.g., revenue increase, cost savings, customer engagement)
- Potential to implement/productionize the solution

### 7.2. Evaluation:

Provide an evaluation of how the project performed against the expected metrics.

# 8. Risk Management and Mitigation

### 8.1. Identified Risks:

List any potential or actual risks identified during the project (e.g., resource shortages, model performance risks).

### 8.2. Risk Mitigation Strategies:

Describe the actions that were taken to mitigate those risks and how they impacted the project.

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# 9. Handover and Knowledge Transfer

### 9.1. Handover of Deliverables:
Document the transfer of final deliverables to the client or business unit. This can include access to models, dashboards, data pipelines, or software.

### 9.2. Documentation and Training:
Provide a summary of documentation handed over to the stakeholders, as well as any training sessions conducted for the users or operational team.

### 9.3. Maintenance and Future Enhancements:
If applicable, outline any recommendations for ongoing support or further improvements to the project (e.g., model retraining, scaling the BI solution).

# 10. Final Sign-off

### 10.1. Project Closure Confirmation:
A formal statement confirming the project's closure and that all deliverables have been completed to the satisfaction of the stakeholders.

### 10.2. Sign-off by key Stakeholders: (for Corporate Partner Liaisons)
List the names, positions, and signatures (or electronic approvals) of the key project stakeholders confirming the closure.

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# 11.  Appendices

### 11.1.    Appendix A – Technical Documentation:
Provide links or references to any technical documentation that has been produced (e.g., algorithms used, deployment guidelines, data preparation methods).

### 11.2.    Appendix B – Additional Metrics or Data:
Any additional metrics, performance charts, or data that support the outcomes and findings of the project.

# 12.  Additional Notes and References

(Any other important information that doesn't fall under the above sections.)