Diplomado en ML Cloud - UCB CBBA

Módulo 4: Machine Learning Cloud MLOps

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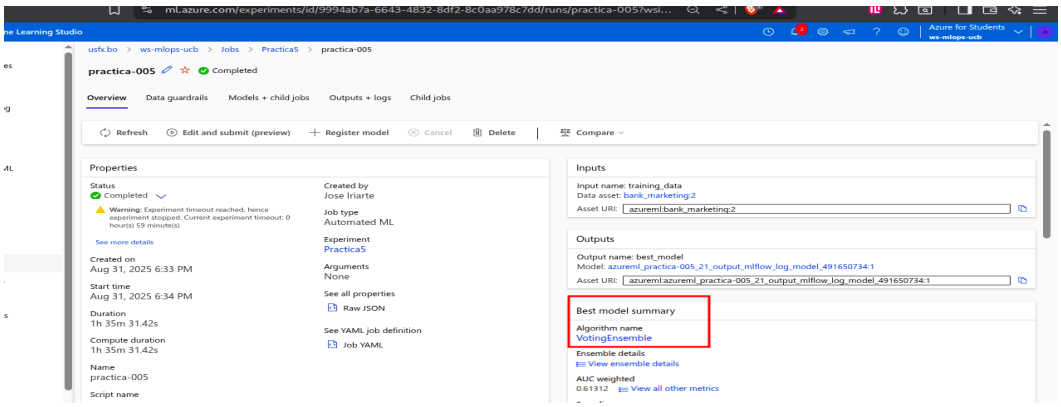
Estudiante: Jose Carlos Iriarte

Fecha : Agosto del 2025

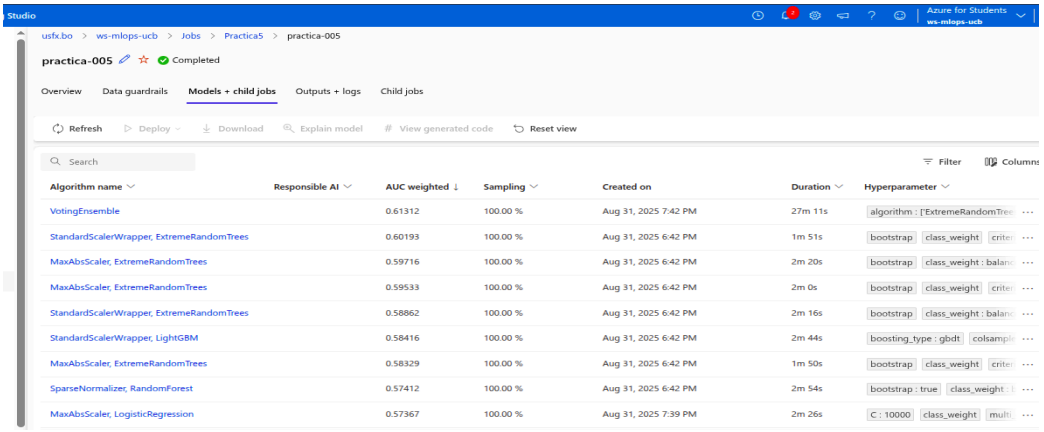
Laboratorio 6

Resultados



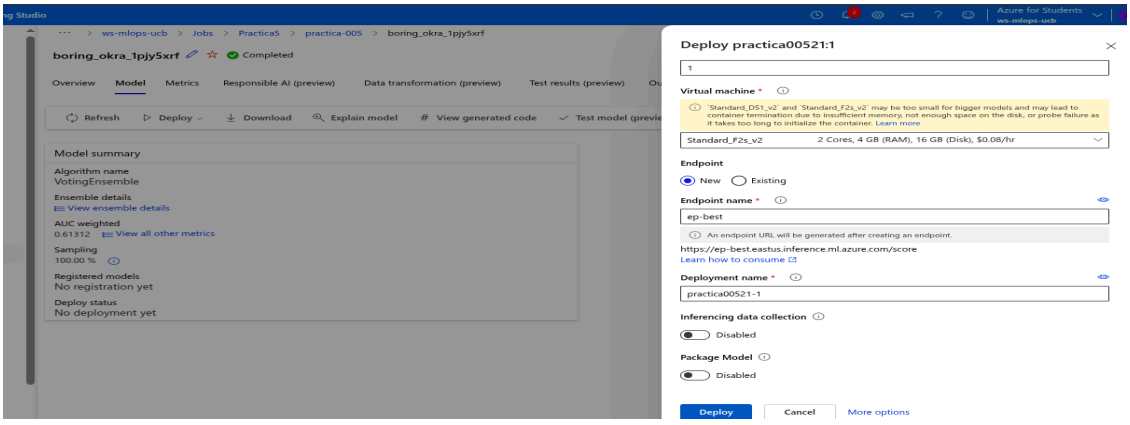
Resultados del mejor modelo

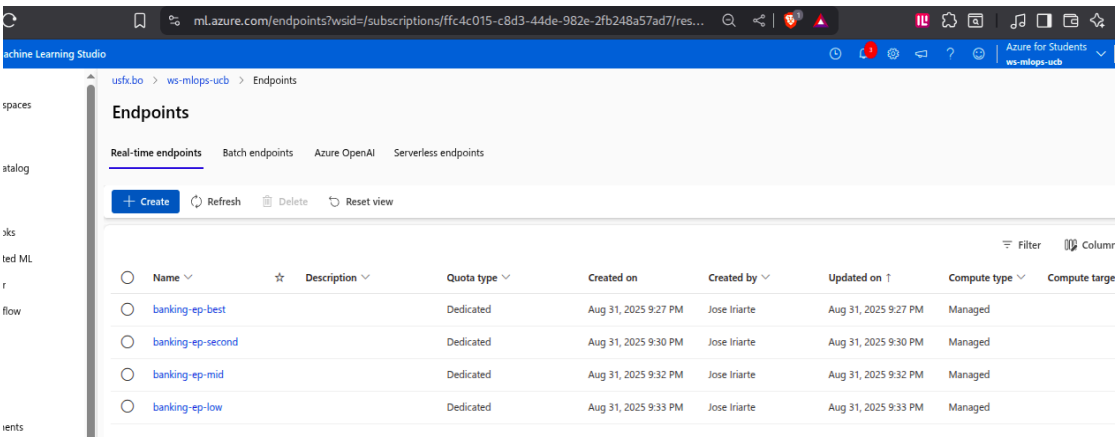
Tabla comparativa con al menos 4 modelos



El mejor modelo fue VotingEnsemble

Endpoints para los 4 mejores modelos

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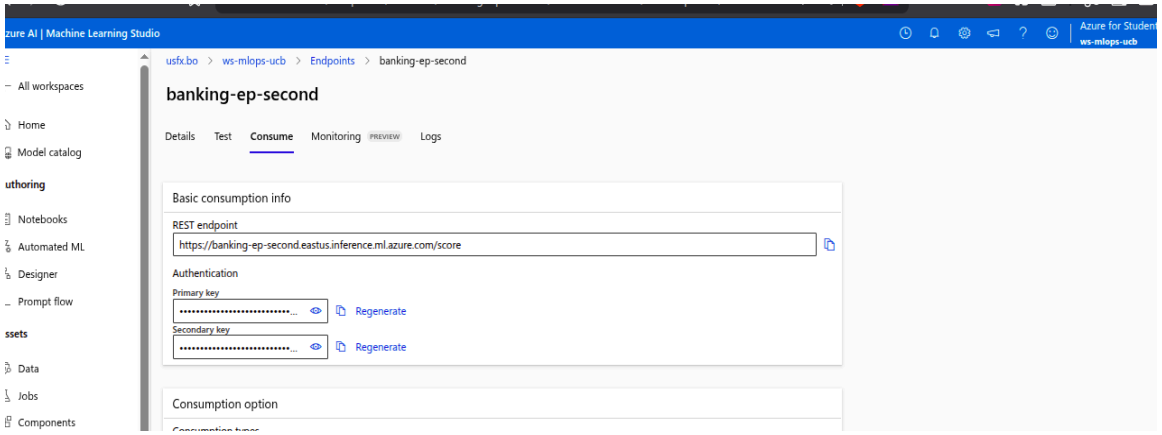
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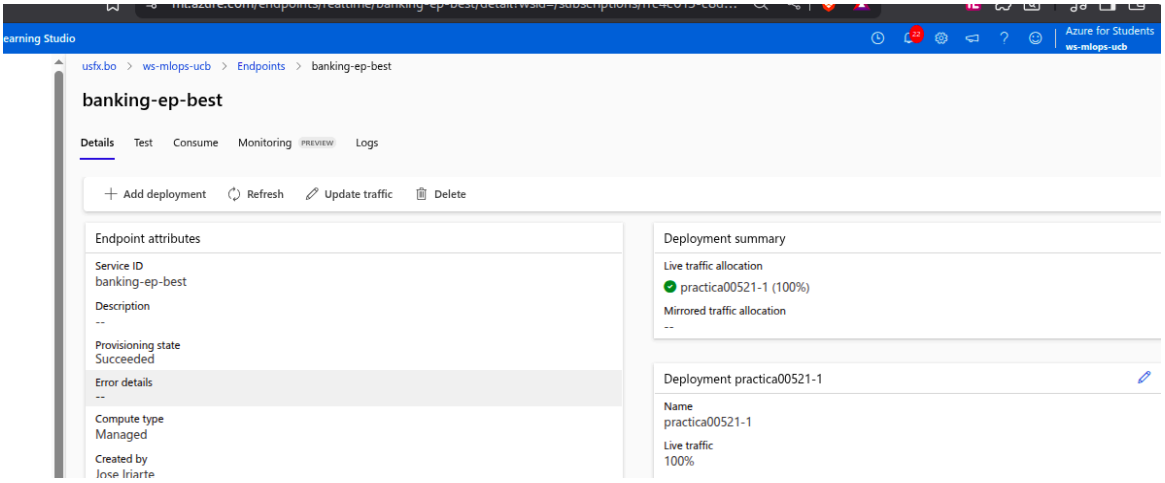
Details
Test
Consume
Monitoring PREVIEW
Logs
Basic consumption info
REST endpoint
https://banking-ep-second.eastus.inference.ml.azure.com/score
Authentication
Primary key
Regenerate
Secondary key
Regenerate
Consumption option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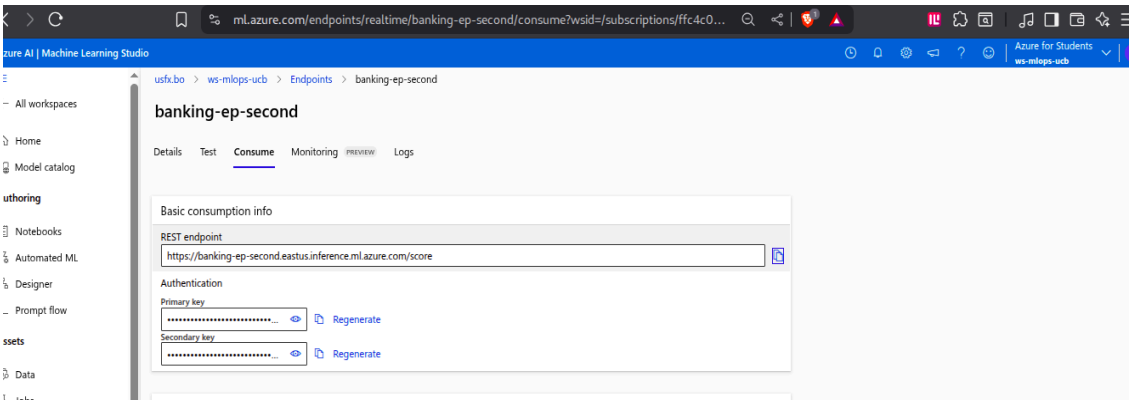
Logs
Add deployment
Refresh
Update traffic
Delete
Endpoint attributes
Service ID
banking-ep-best
Description
--
Provisioning state
Succeeded
Error details
--
Compute type
Managed
Created by
Jose Iriarte
Deployment summary
Live traffic allocation
practica00521-1 (100%)
Mirrored traffic allocation
--
Deployment practica00521-1
Name
practica00521-1
Live traffic
100%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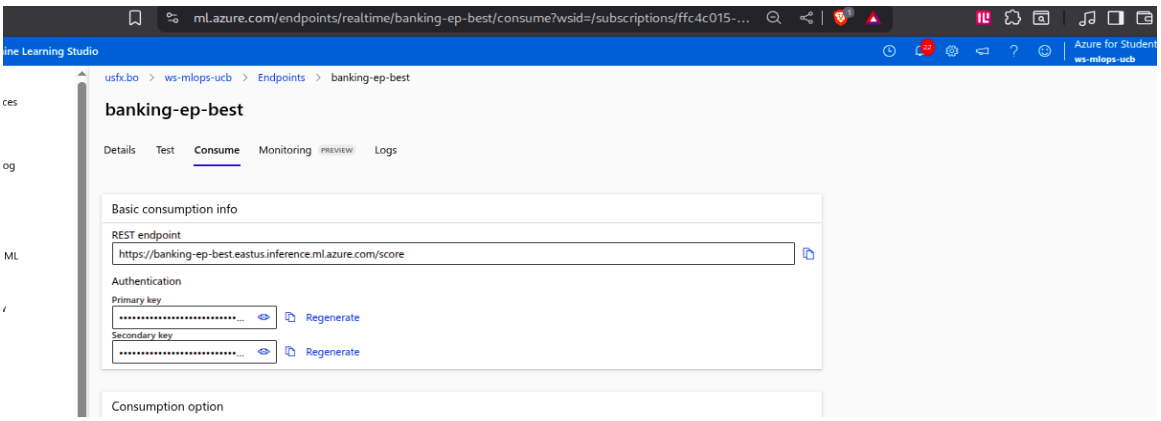

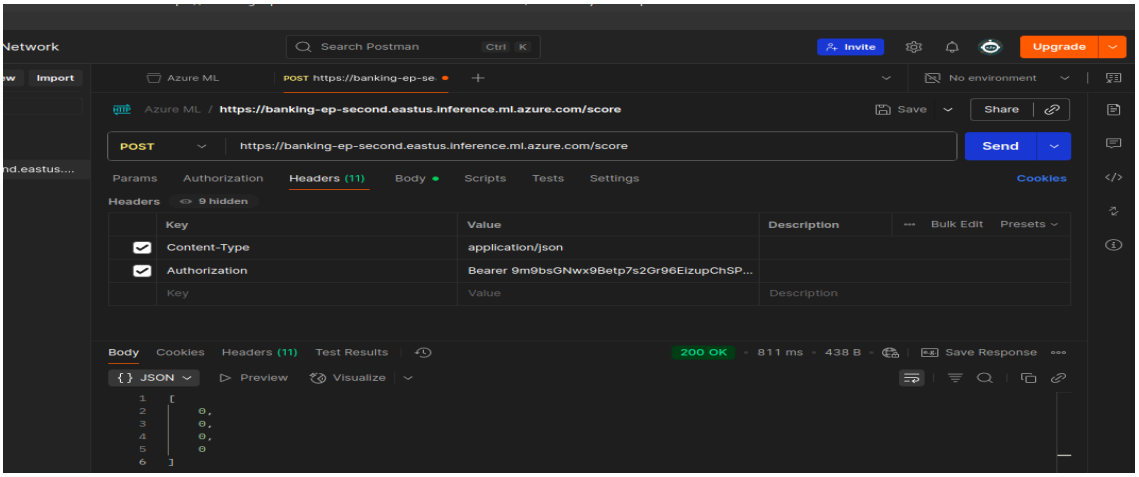

Reflexiones:

- Ventajas de AutoML: rapidez en probar múltiples algoritmos, combinación de modelos y comparación objetiva con métricas estandarizadas.
- Limitaciones: no se ajusta automáticamente según el contexto del negocio (ej. priorizar Recall), y ofrece menos control fino en sampling, feature engineering y optimización específica.

Conclusiones

AutoML eligió bien con base en AUC. Sin embargo, para un caso bancario, conviene replantear la métrica objetivo hacia Recall o F1, pues es más crítico detectar correctamente los clientes que sí aceptarían el depósito