Azure Machine Learning et Titanic : plutôt #TeamJack ou #TeamRose ?

Joël Crest

2019 Global Azure BOOTCAMP

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Faisons connaissance

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Référent Data & Business Intelligence

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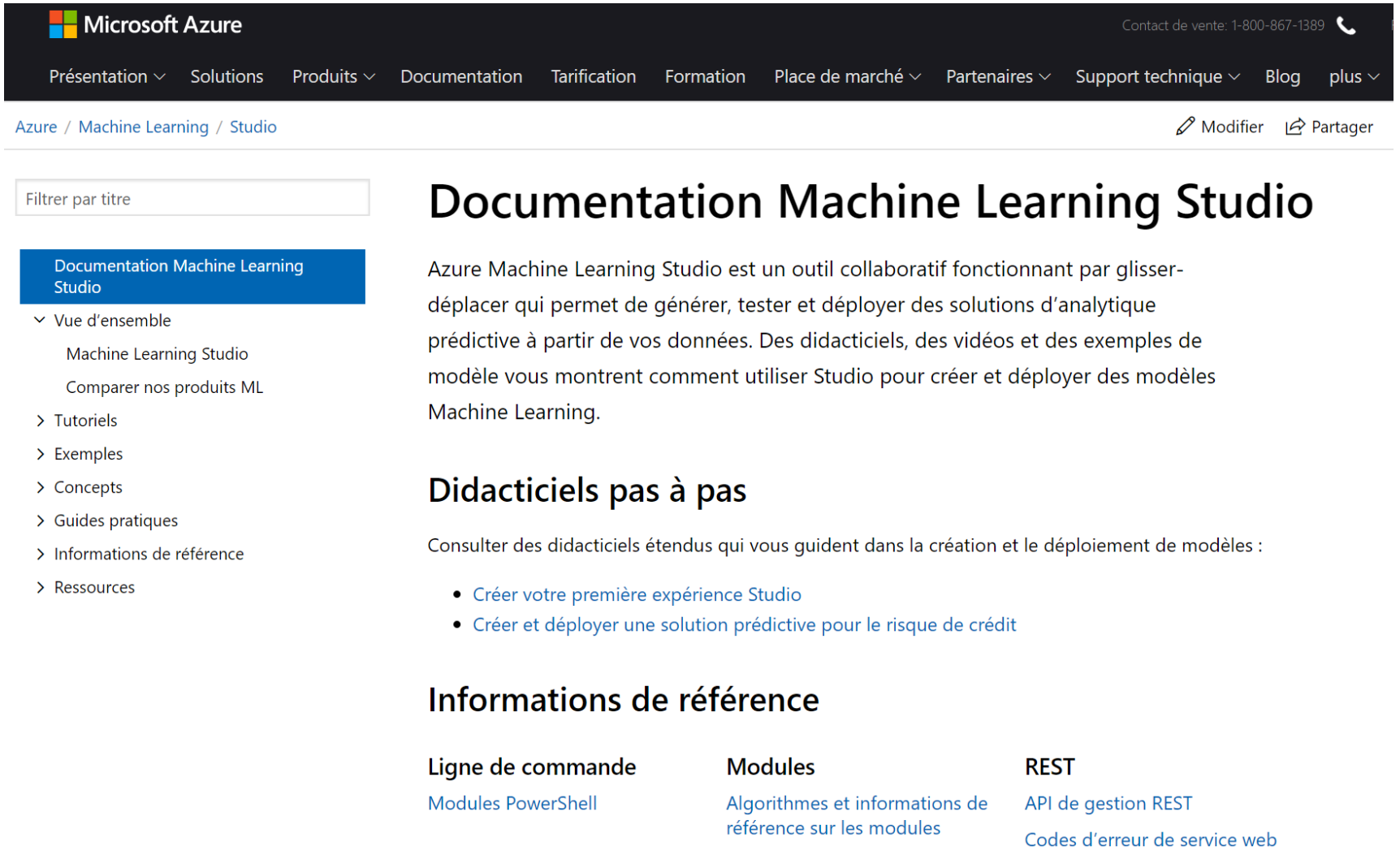
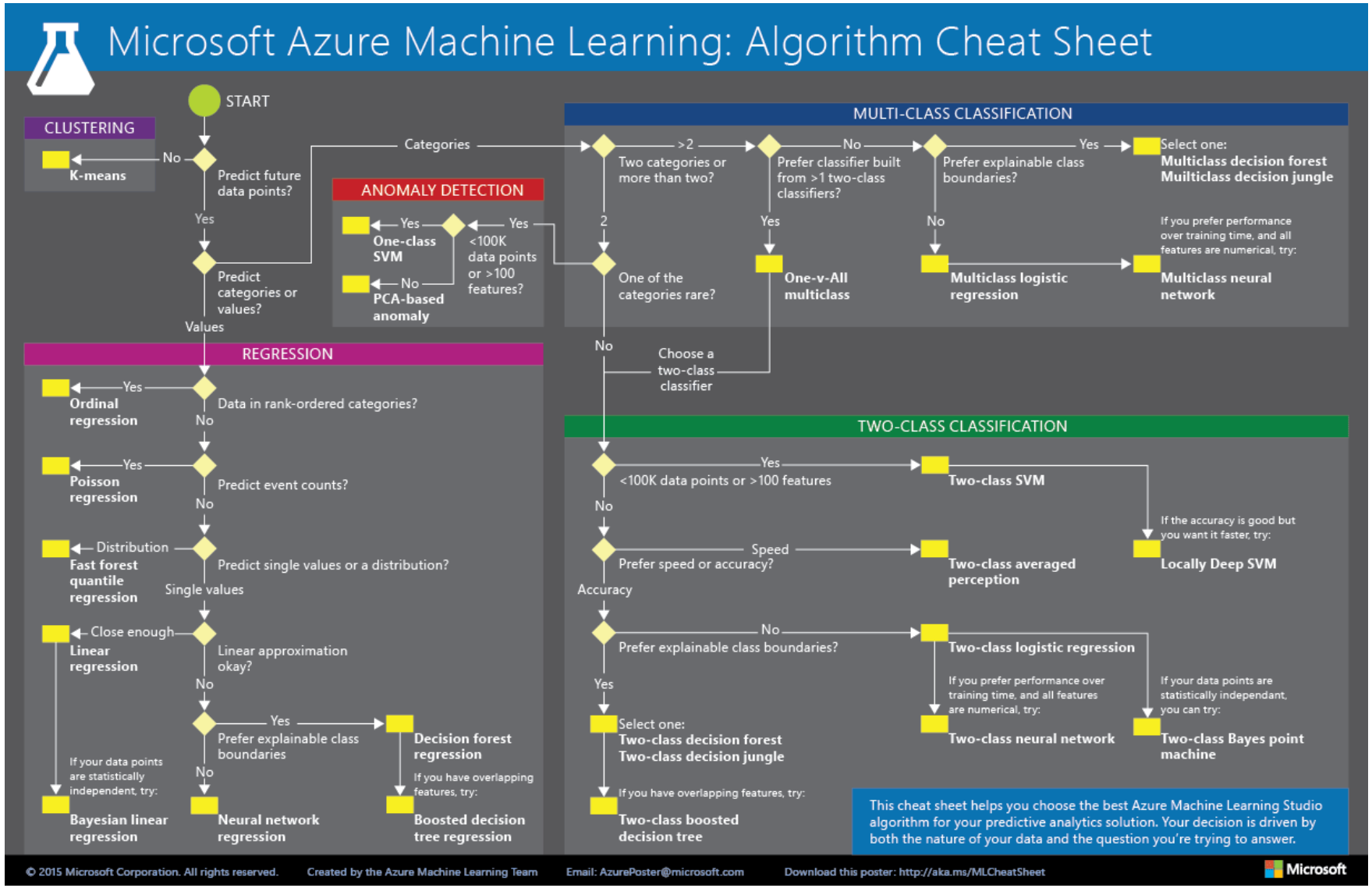
https://docs.microsoft.com/fr-fr/azure/machine-learning/studio/



http://aka.ms/MLCheatSheet



Données

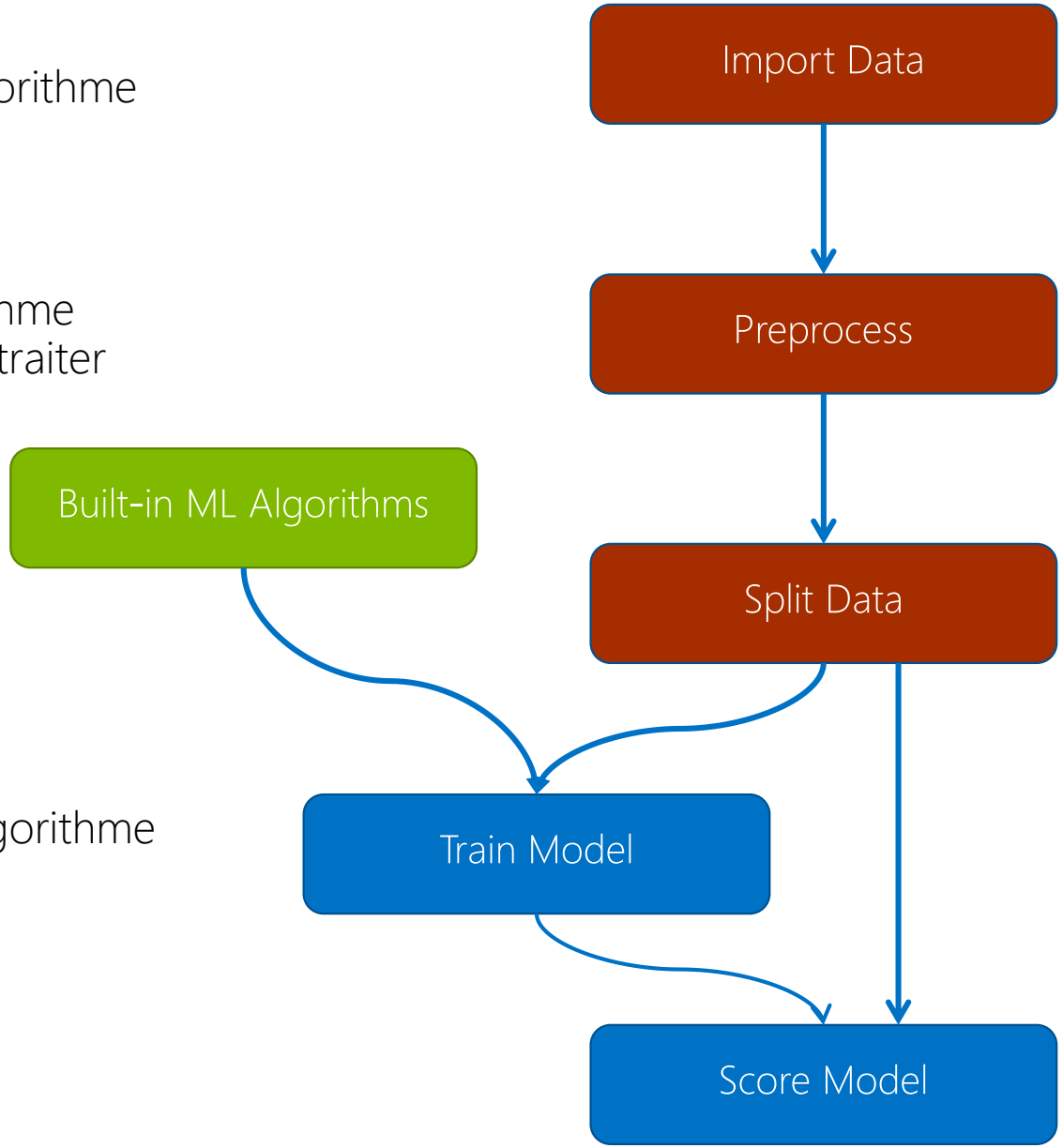
On a besoin d'un échantillon significatif pour entraîner l'algorithme

Algorithmes

On a besoin de choisir l'algorithme correspondant au problème à traiter

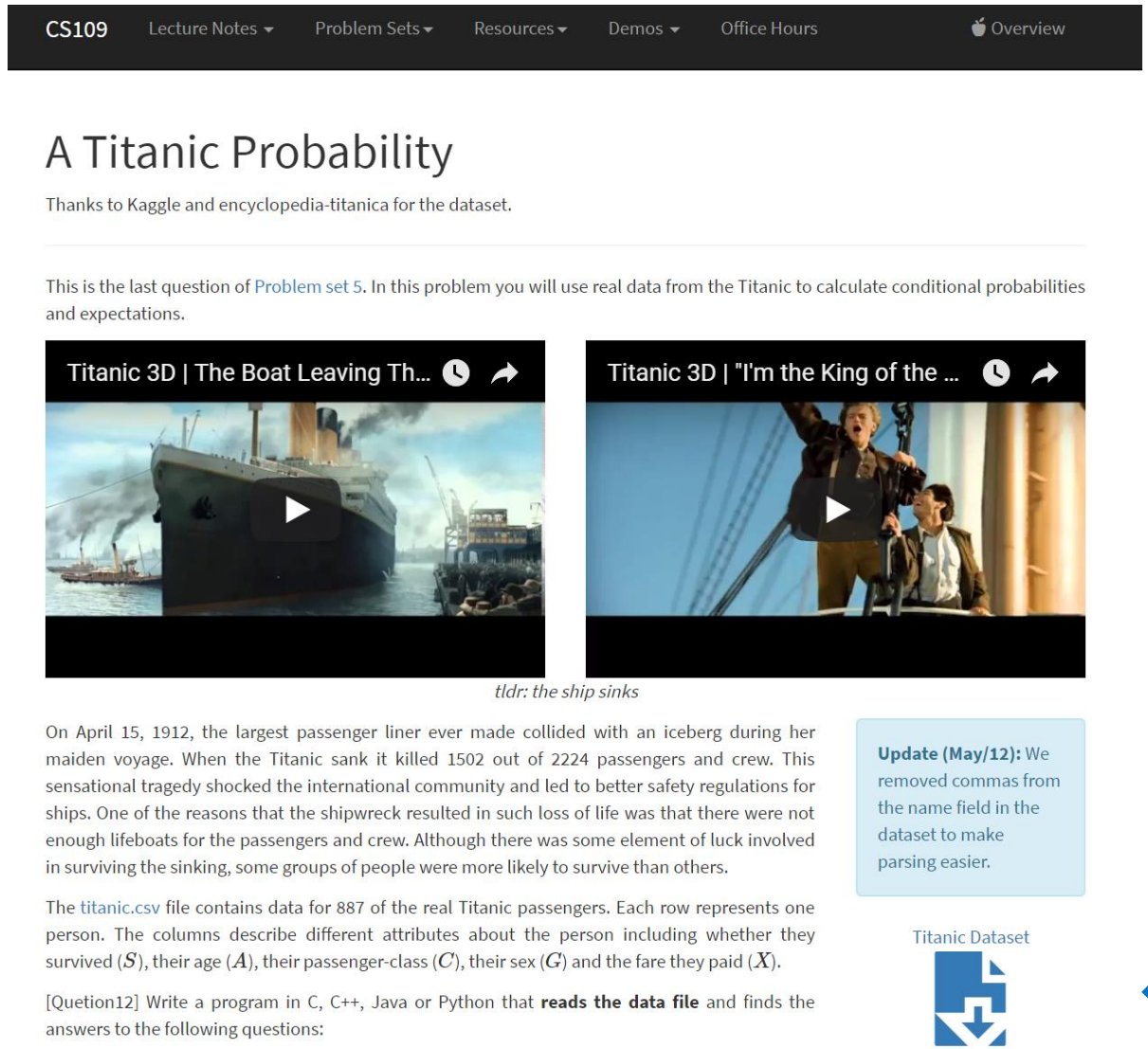
Modèle ML

A partir des données et de l'algorithme choisi, on entraîne un modèle



http://aka.ms/MLStudioOverview

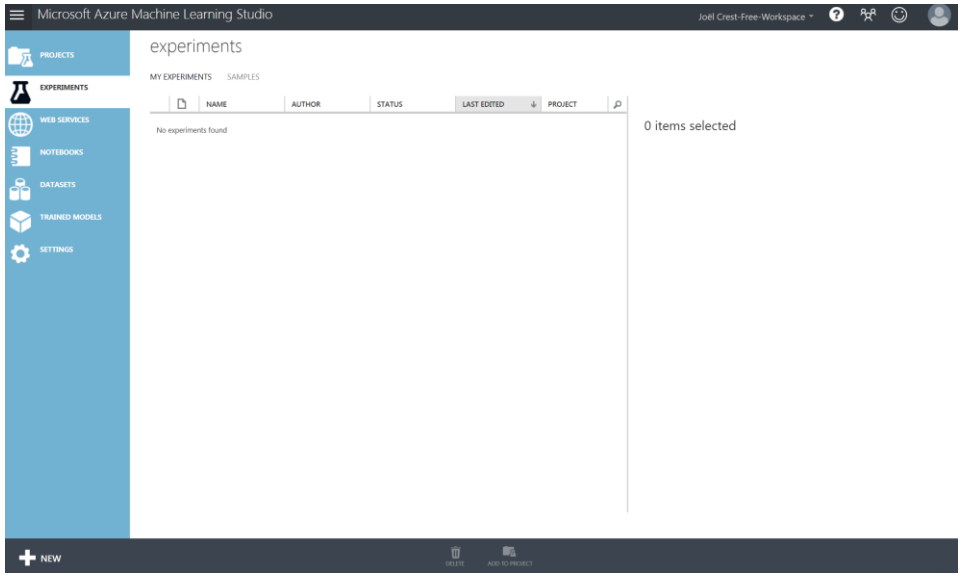
http://web.stanford.edu/class/archive/cs/cs109/cs109.1166/problem12.html

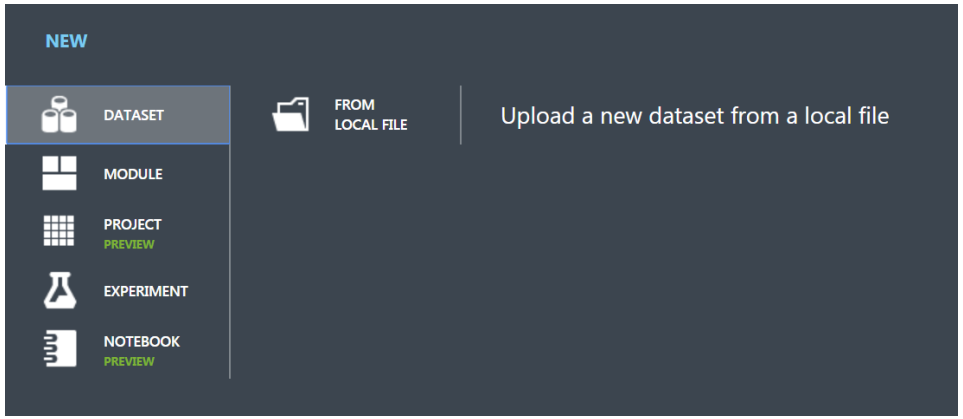


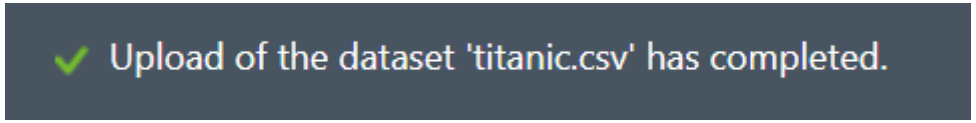
Téléchargez le fichier

https://studio.azureml.net/

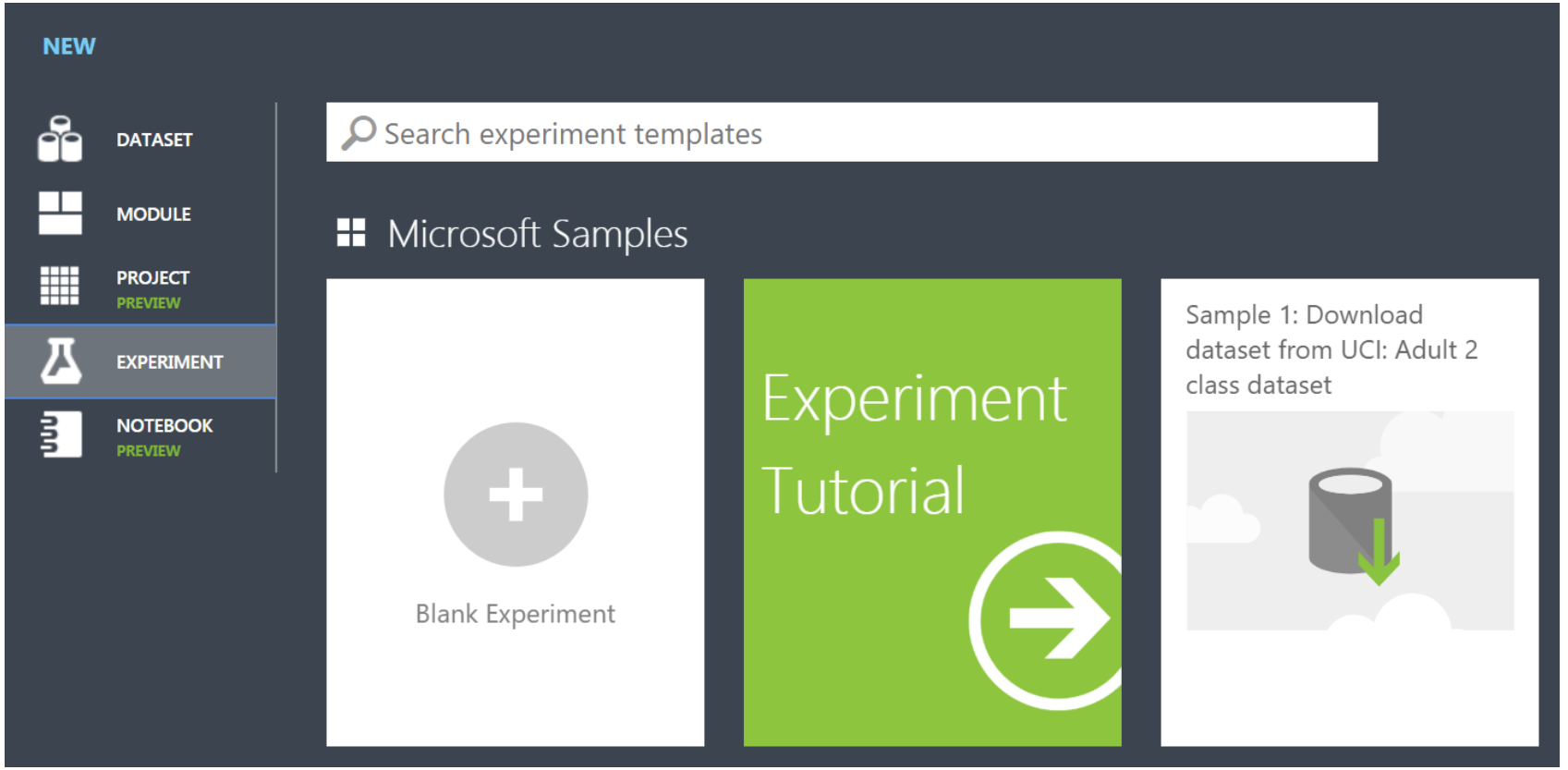
New + Dataset







New + Experiment

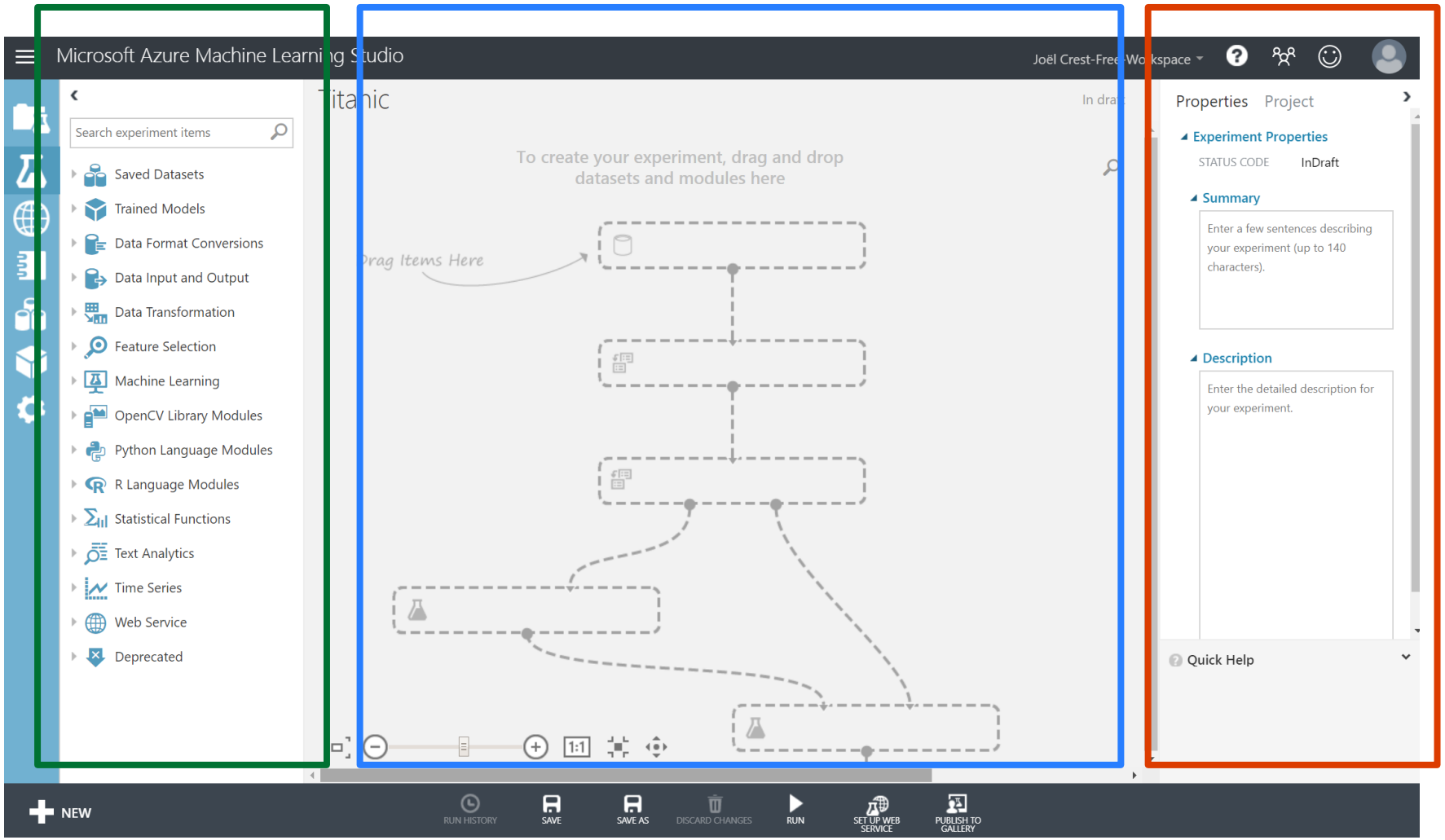


Blank Experiment

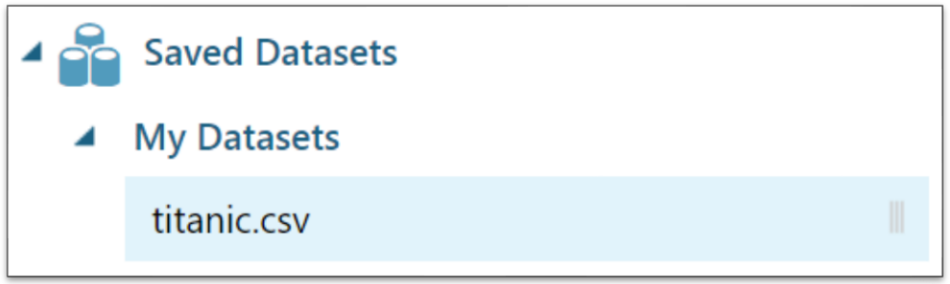
Menu items

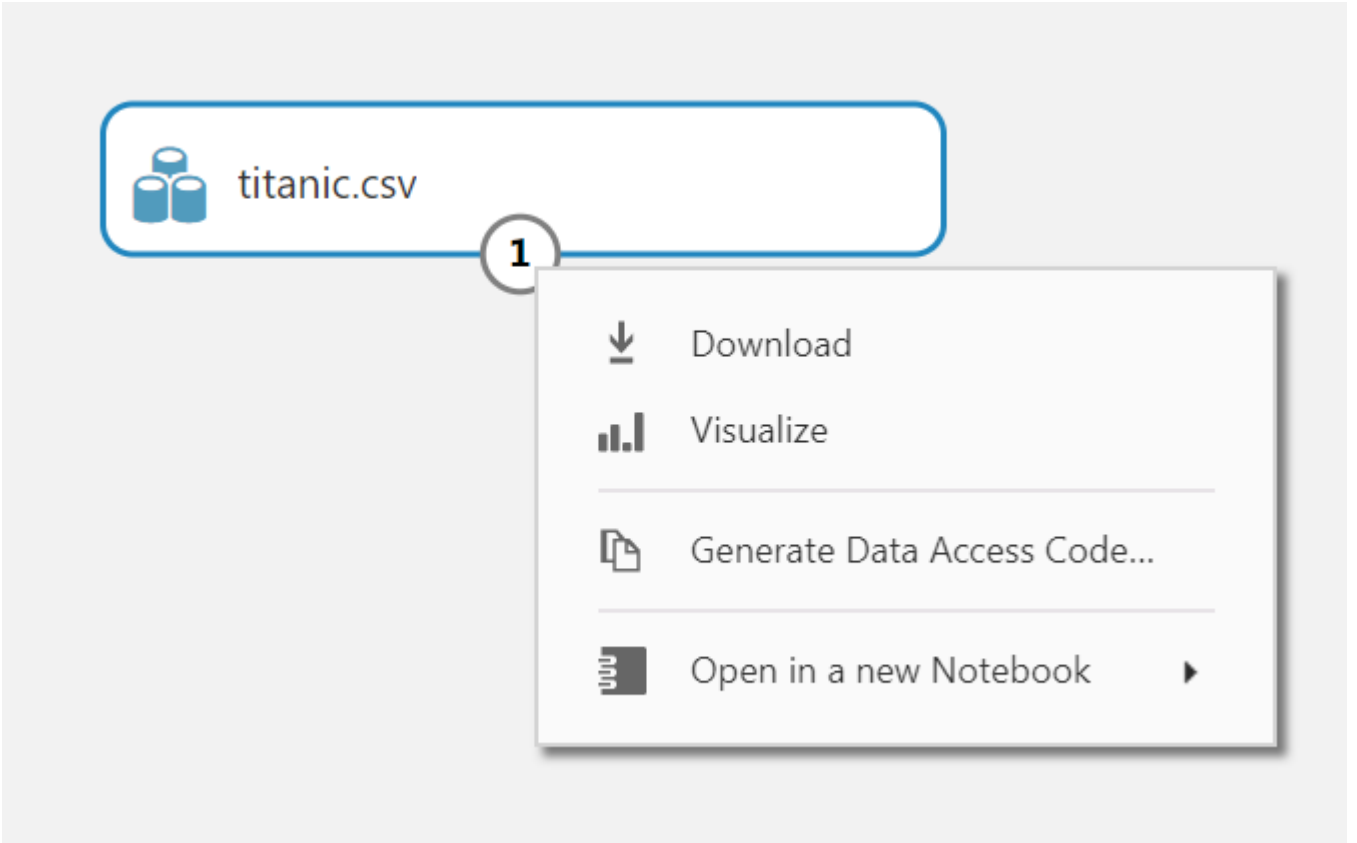
Expérience ML

Propriétés

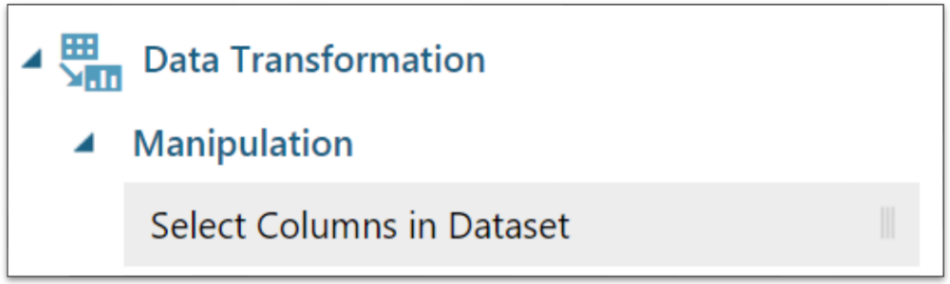


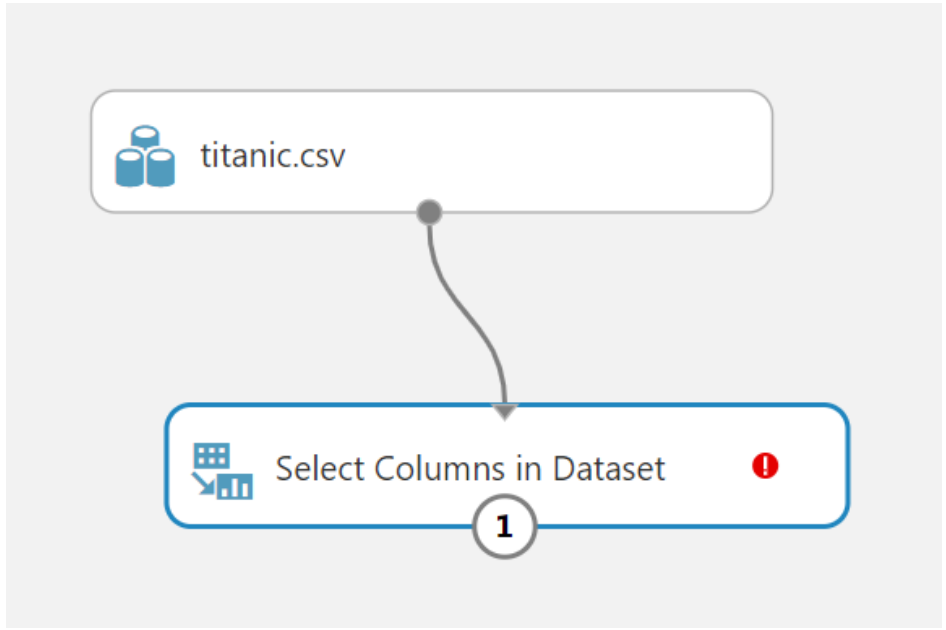
Sélectionnez votre jeu de données





Filtrez les colonnes





Properties Project

Select Columns in Dataset

Select columns

Selected columns:
Launch the selector tool to make a selection

Launch column selector

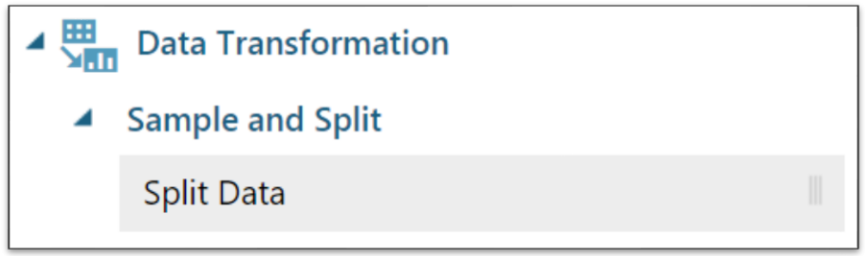
Select columns

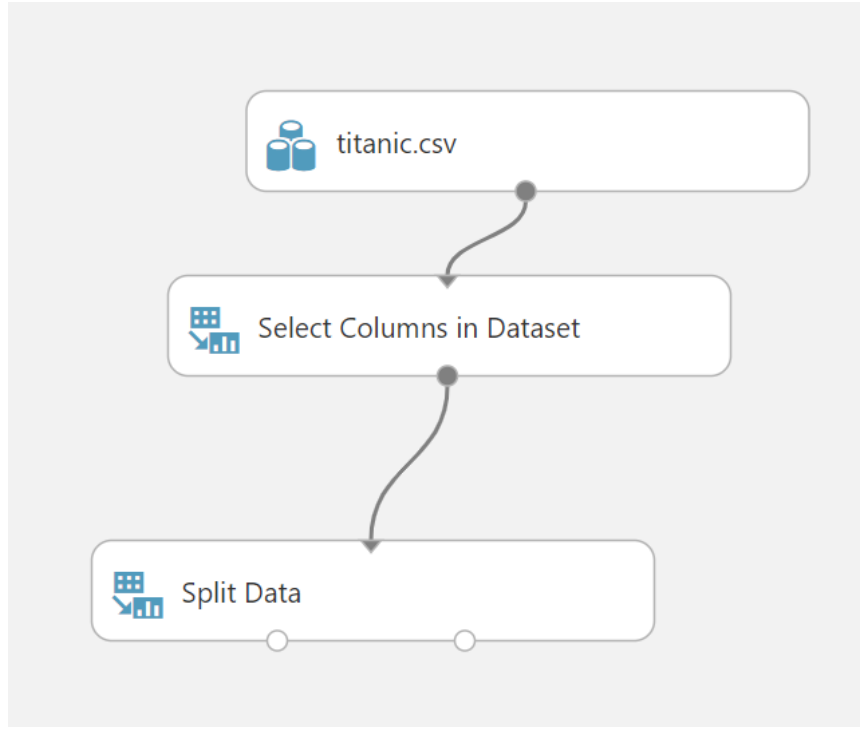
BY NAME
WITH RULES

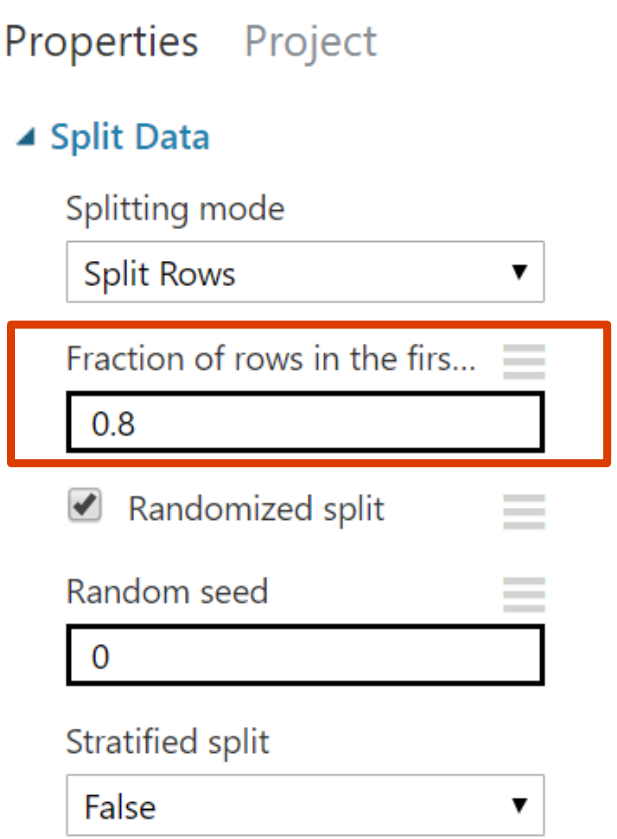
AVAILABLE COLUMNS
All Types
search columns
Name
Fare
2 columns available

SELECTED COLUMNS
All Types
search columns
Survived
Pclass
Sex
Age
Siblings/Spouses Aboard
Parents/Children Aboard
6 columns selected

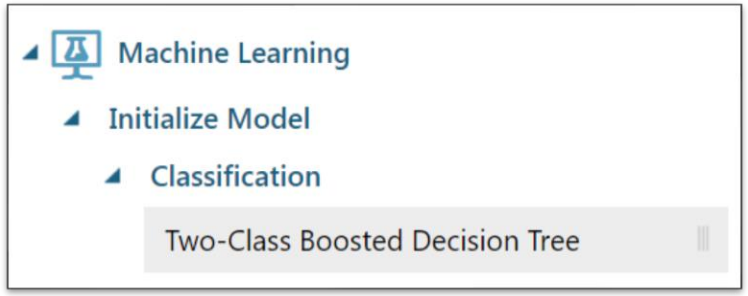
Splittez le jeu de données

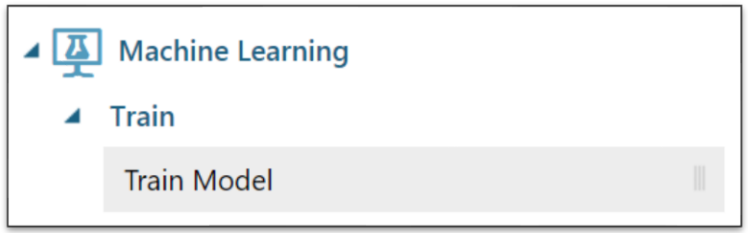


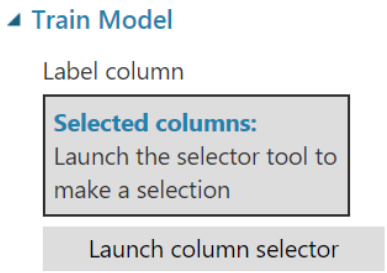


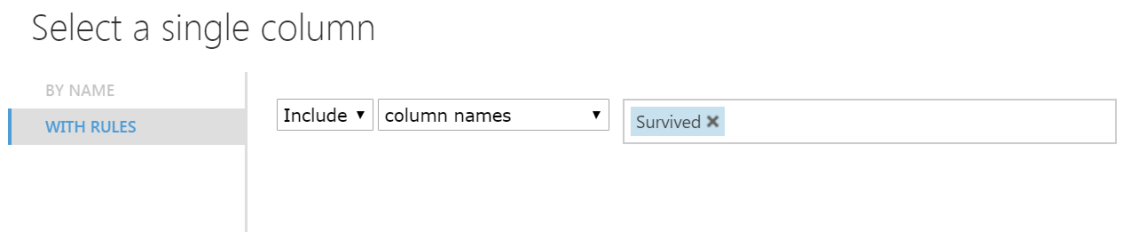


Sélectionnez l'algorithme et entrainez le modèle

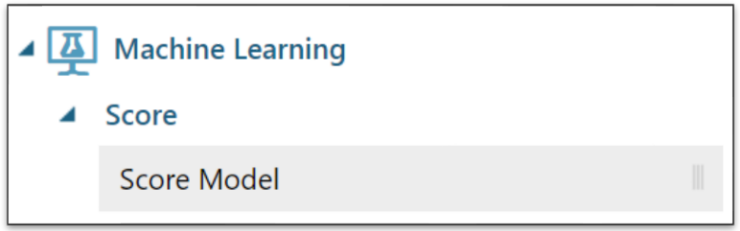


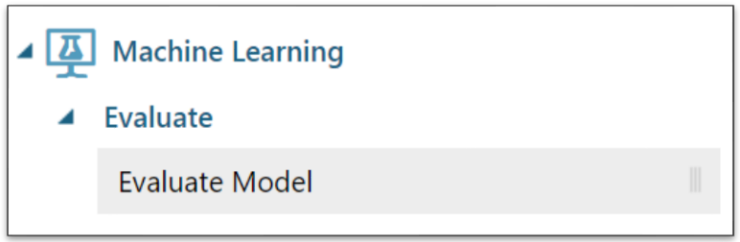


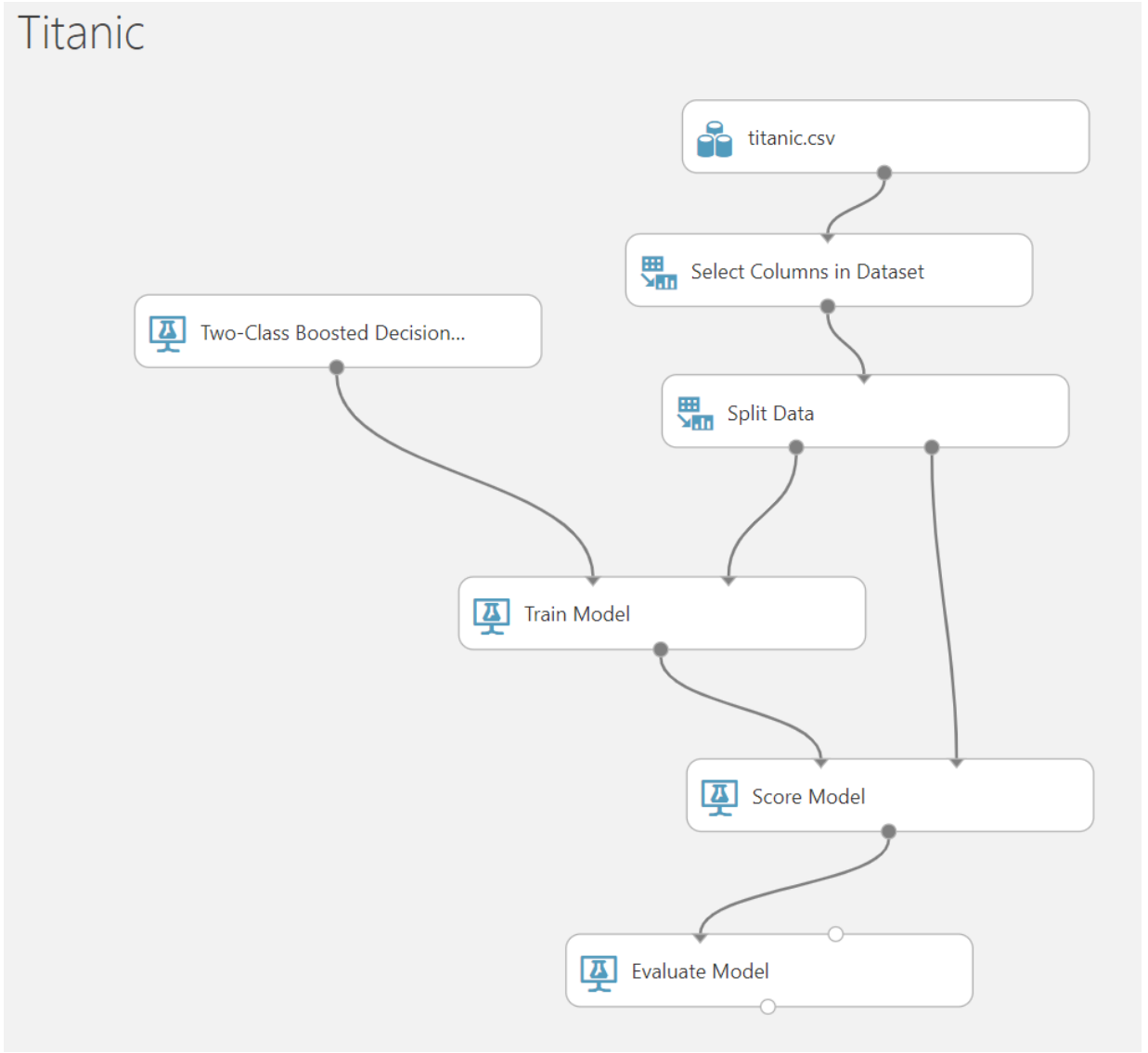




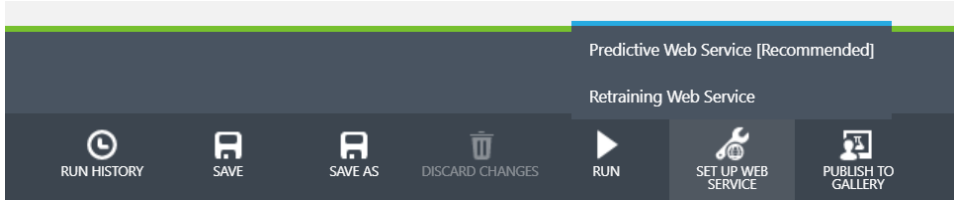
Scorez puis évaluez votre modèle



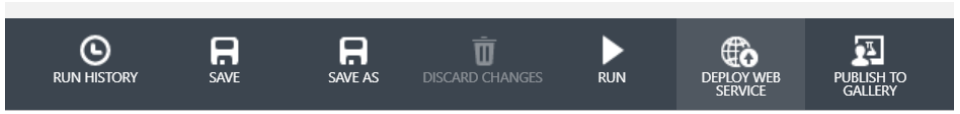




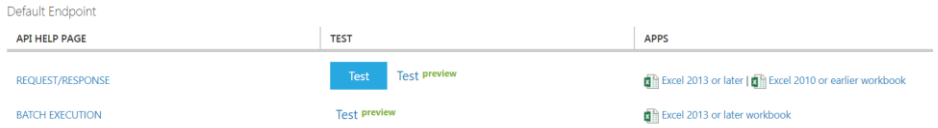
Configurez le web service

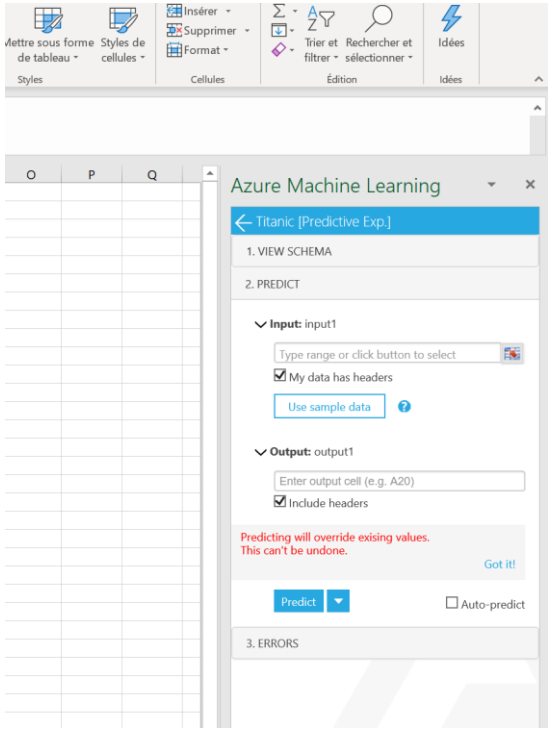


Déployez le web service



Testez le web service dans Excel





Moins de slides, plus de code !

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9h	*Accueil – café, viennoiseries*
9h30	Présentation des Communautés aOS, CMD et Club Power BI
10h05	Monitorer efficacement vos ressources Azure et On Prem – Hands On Lab Jean-François BERENGUER
10h50	*Pause*
11h10	Infrastructure as Code (IAC) : simplifiez vous la vie (et l'IT) Rémy BOVI
12h00	Azure Advanced Threat Protection : sécurisez votre environnement Azure et On Prem Seyfallah TAGREROUT
12h45	*Déjeuner*
13h30	Azure Machine Learning et Titanic : plutôt #TeamJack ou #TeamRose ? Joël CREST
14h20	Le voyage d'une application en mode DevOps du pipeline d'intégration vers un cluster Kubernetes – Hands On Lab Thomas HIDROT
15h10	*Pause*
15h30	Stockage hybride dans Azure : étendez vos serveurs de fichiers Windows avec Azure File Sync ! Jean-François APREA
16h15	*Tirage au sort et remise des lots*

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