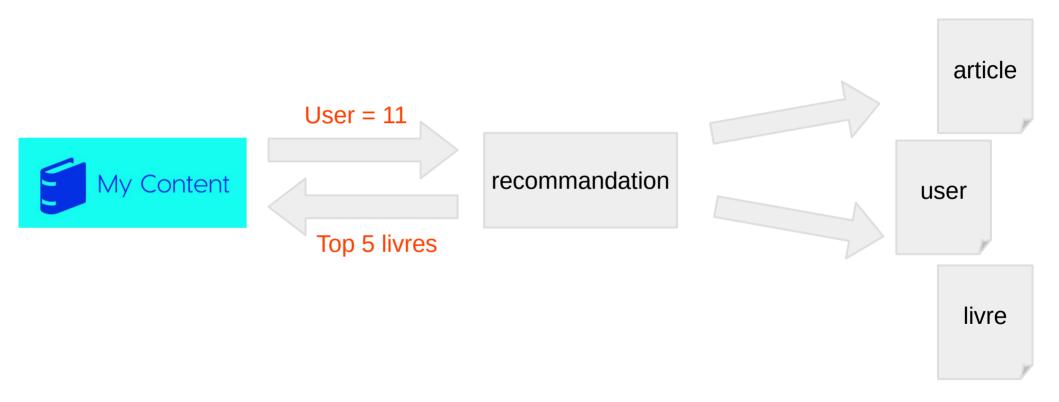
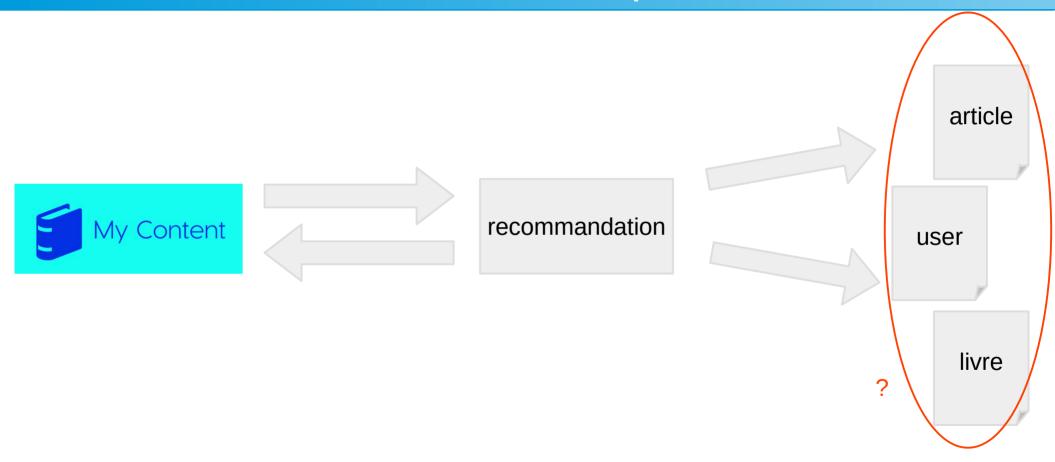
Projet 9 : Réalisez une application de recommandation de contenu

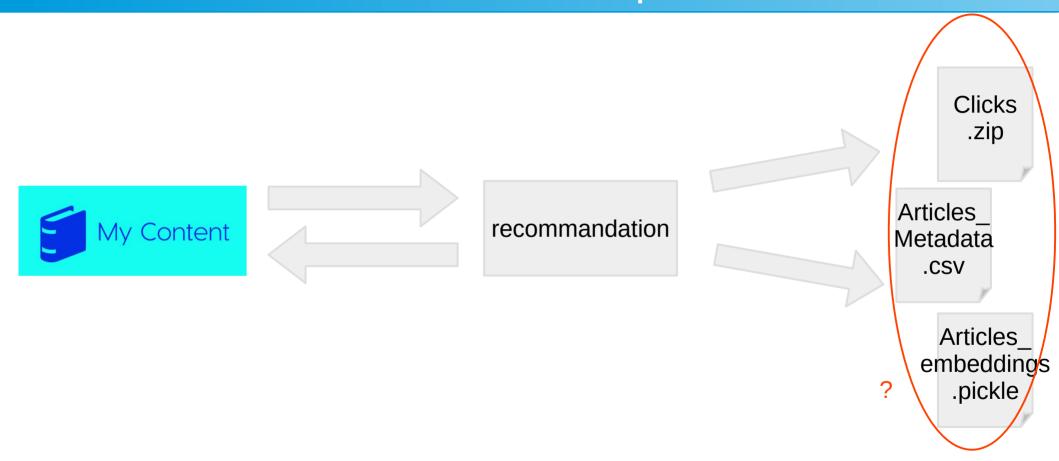
Plan

- Problématique
- Développement du système de recommandation
- Déploiement du système de recommandation
- Conclusion











Clicks.zip

clicks_hour_000.csv

.

.

.

clicks_hour_384.csv

Articles_Metadata.csv

article_id, category_id, created_at_ts, publisher_id, words_count

0,0,1513144419000,0,168

Articles_embeddings.pickle

```
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-0.13794445,
...,
-0.231686,
0.5974159,
0.40962312]
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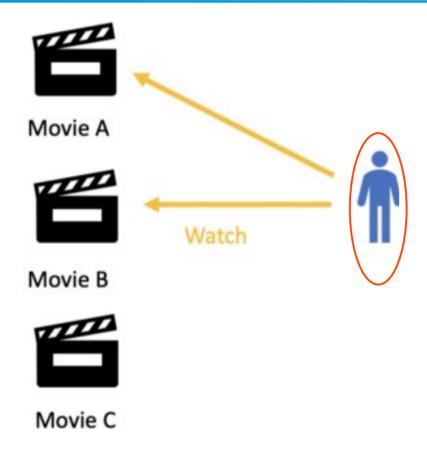


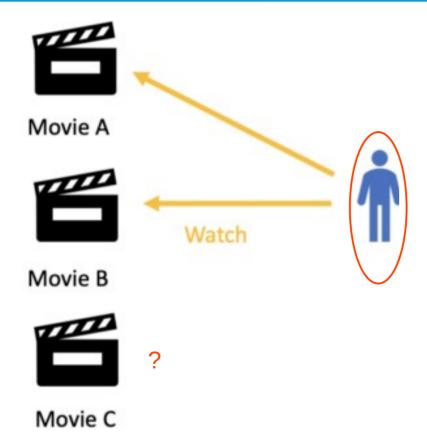
User based

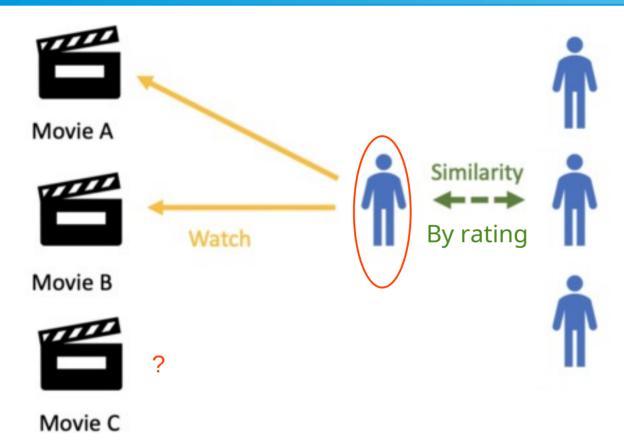
Item based

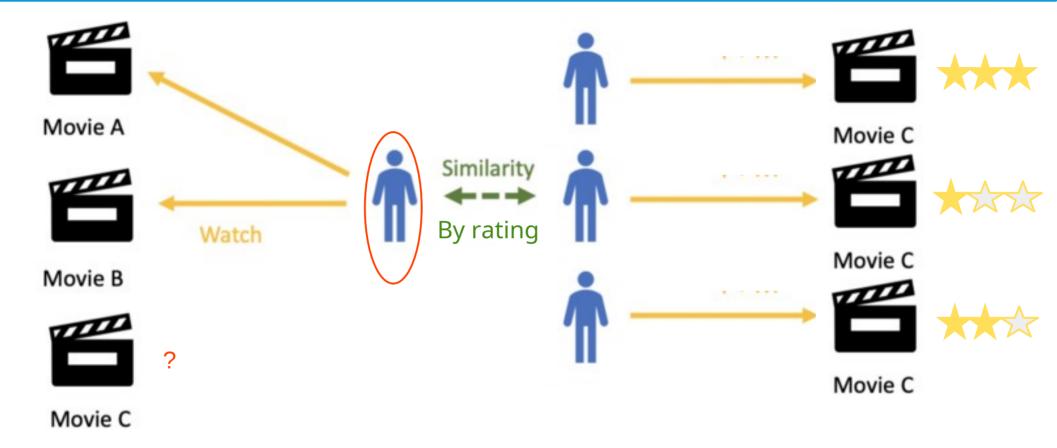
collaborative filtering

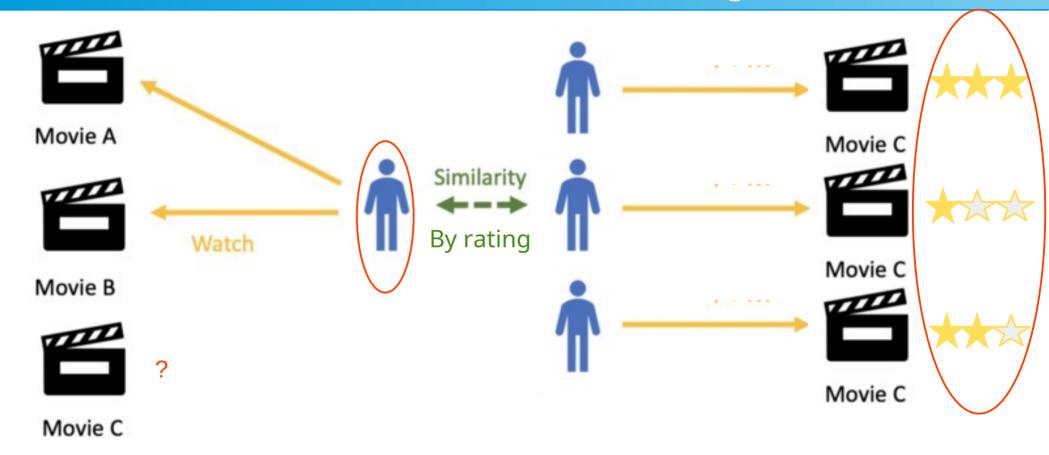
content-based filtering

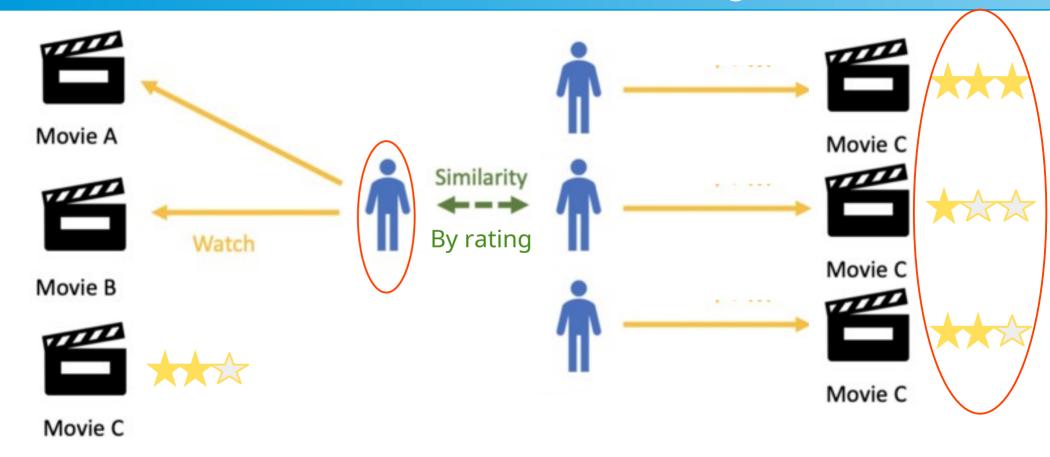


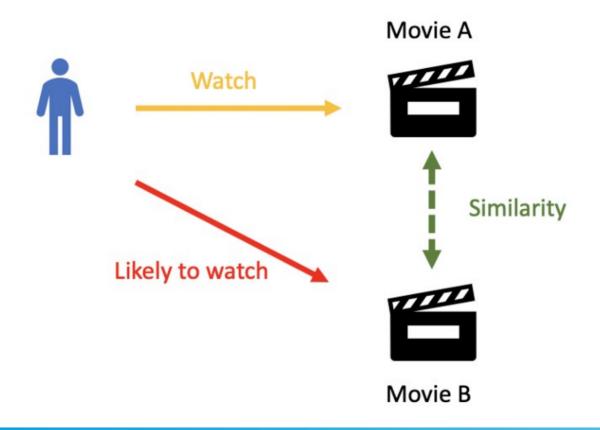


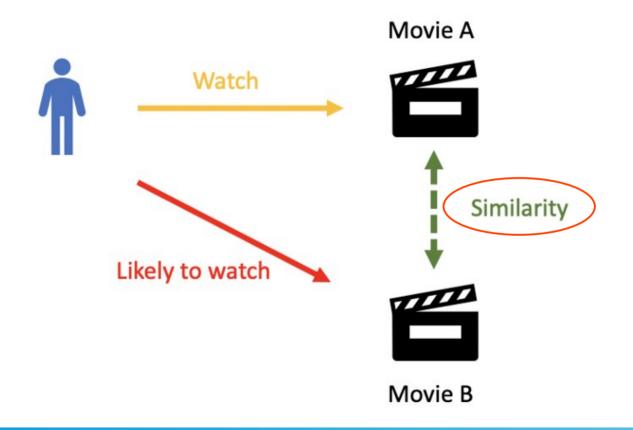


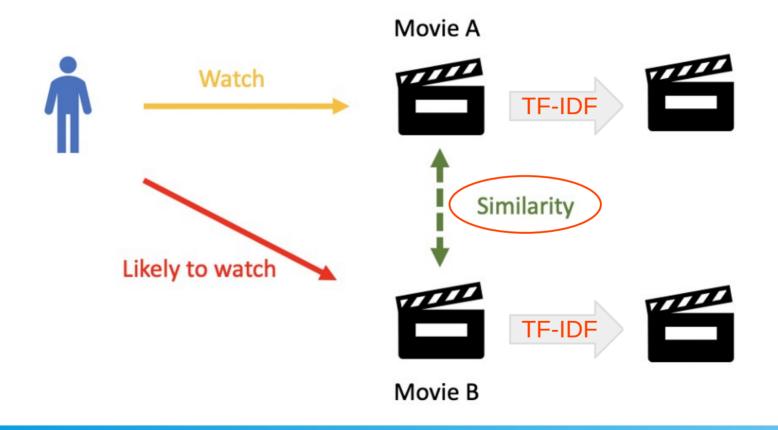


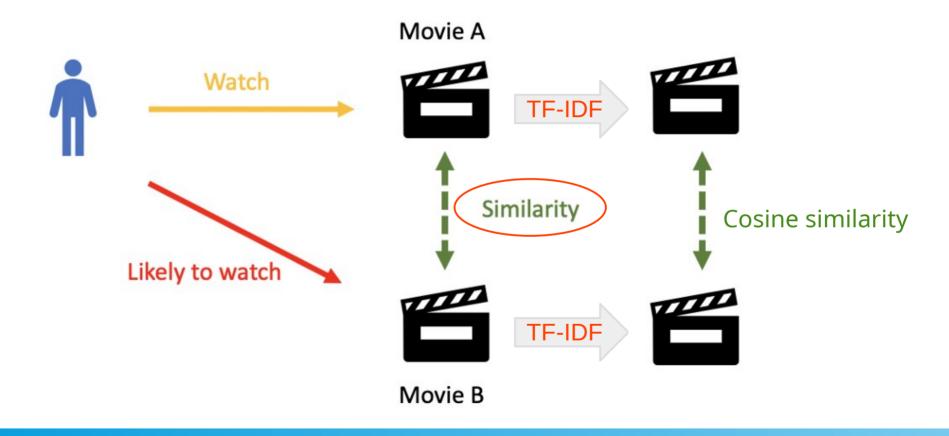


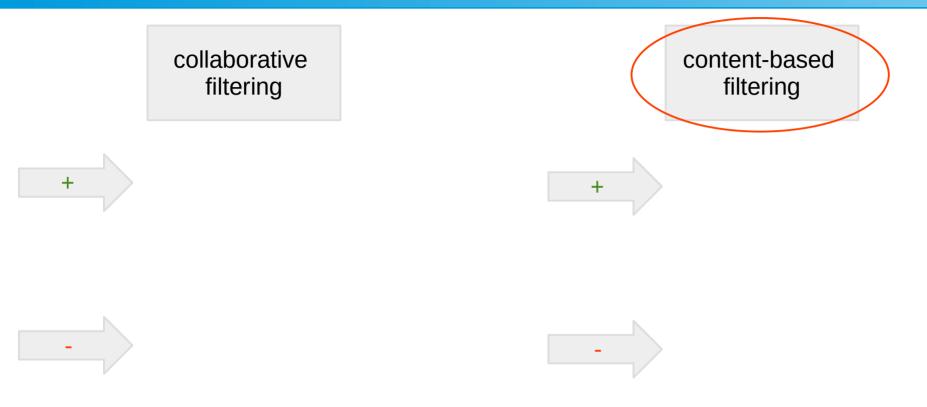


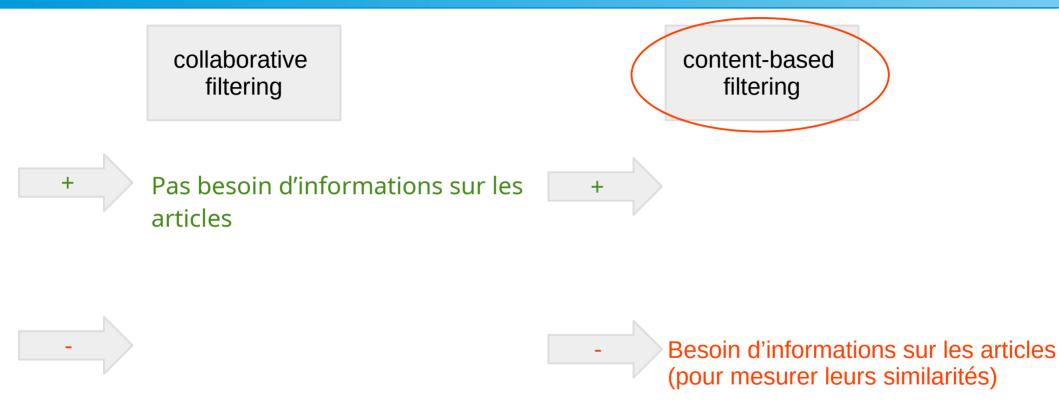


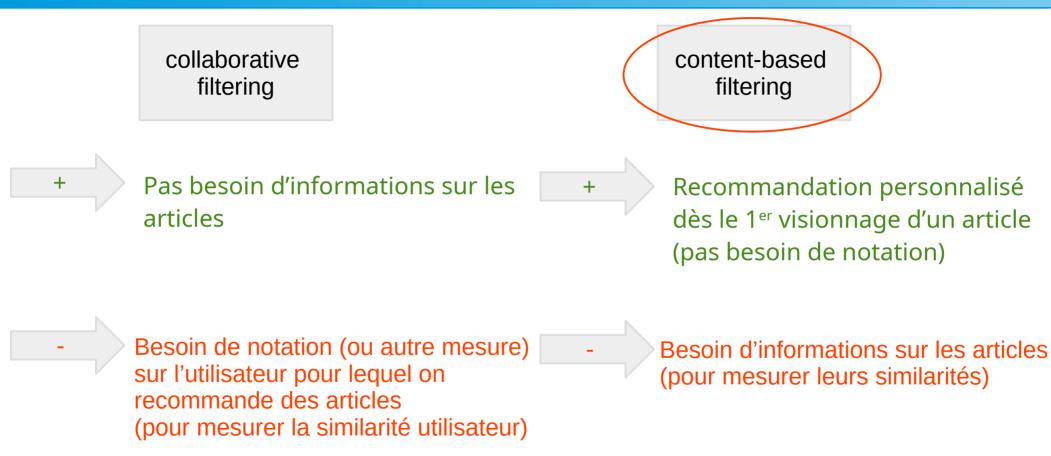








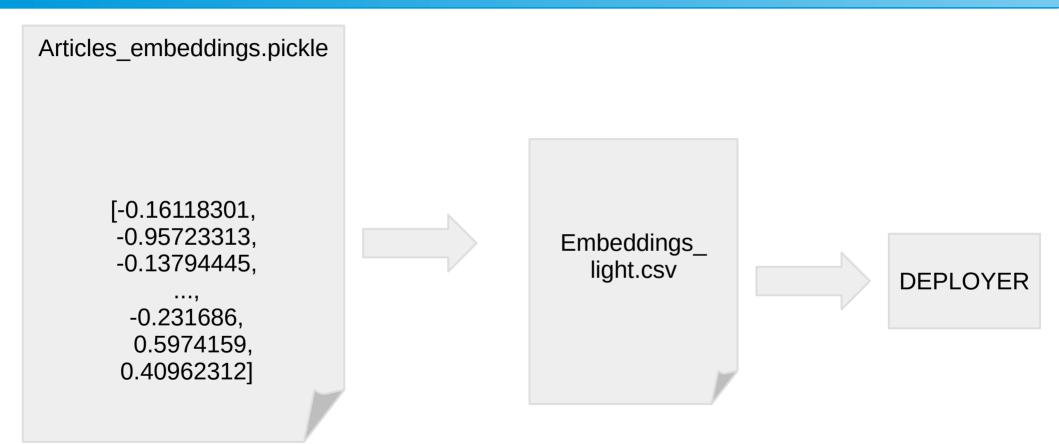


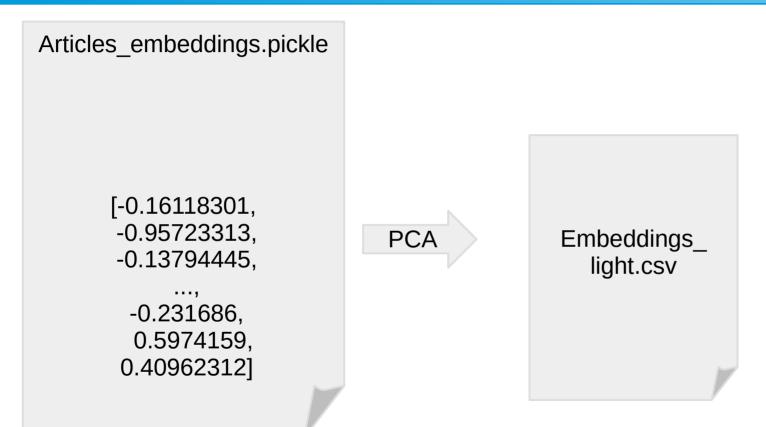


collaborative filtering



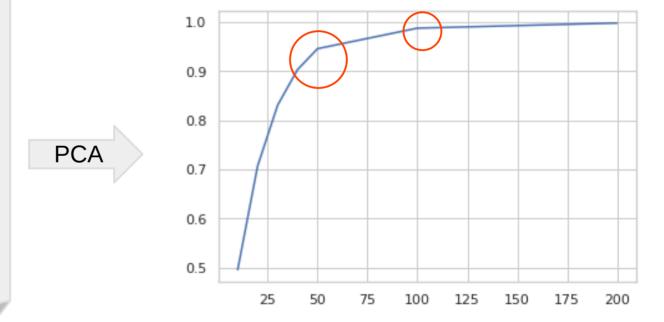






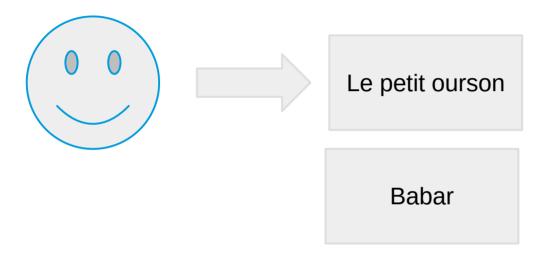
Articles_embeddings.pickle

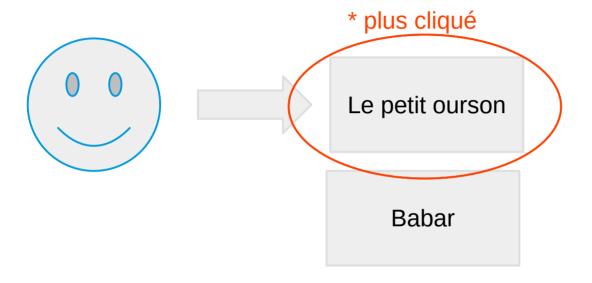
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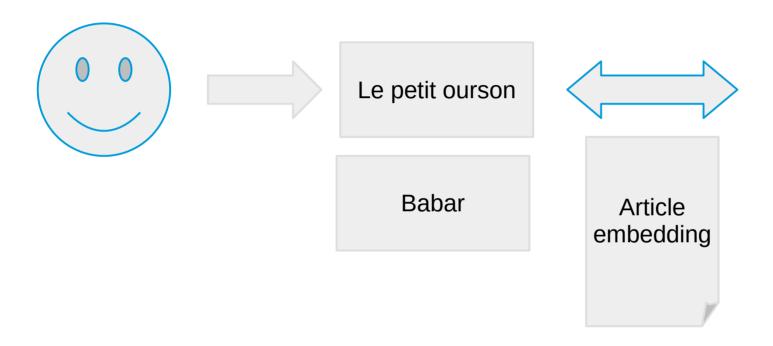


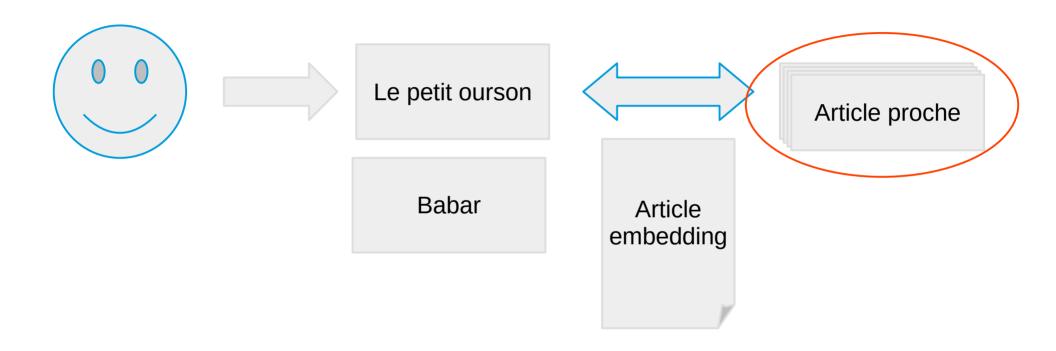
Articles embeddings.pickle [-0.16118301, -0.95723313, PCA Embeddings_ -0.13794445, light.csv -0.231686, 0.5974159, 0.40962312]





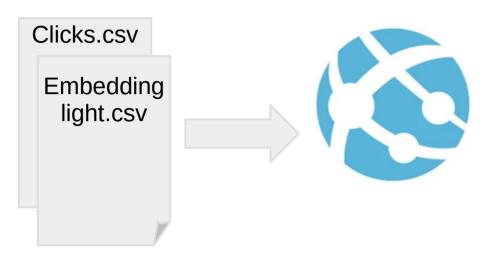


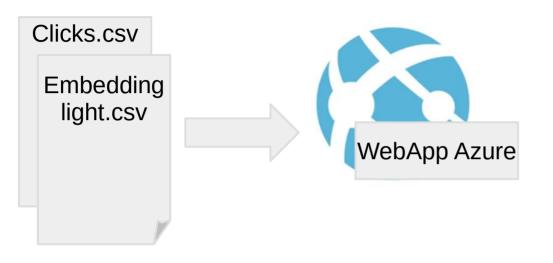






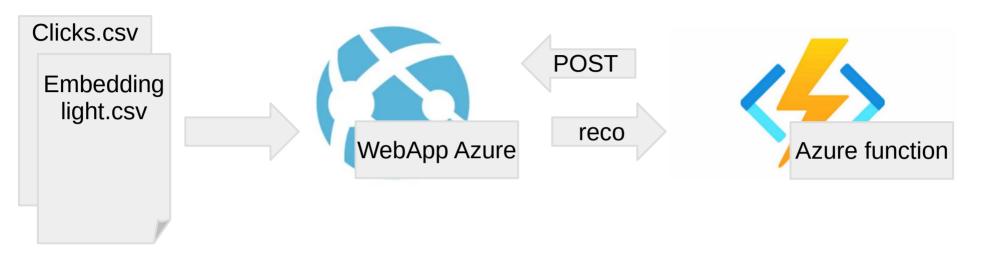


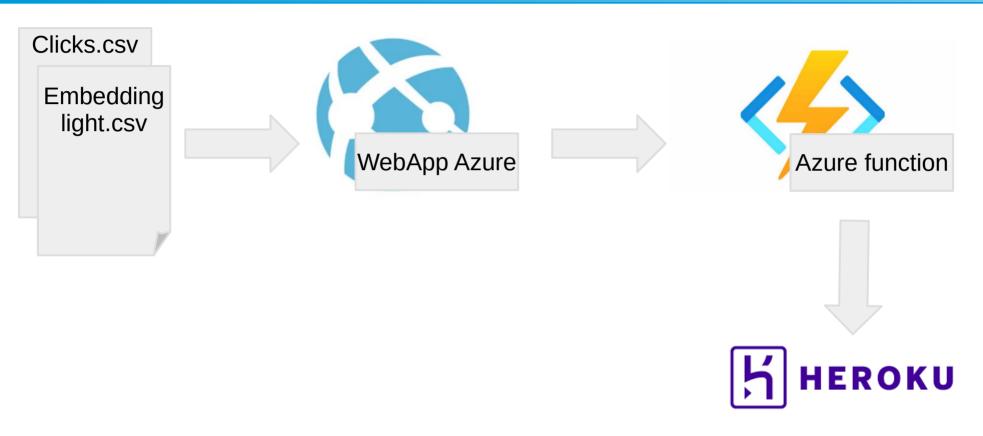


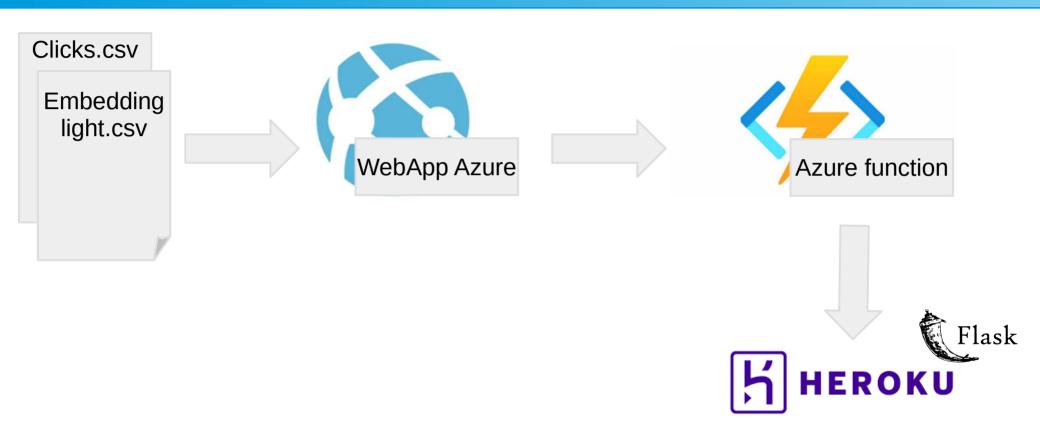


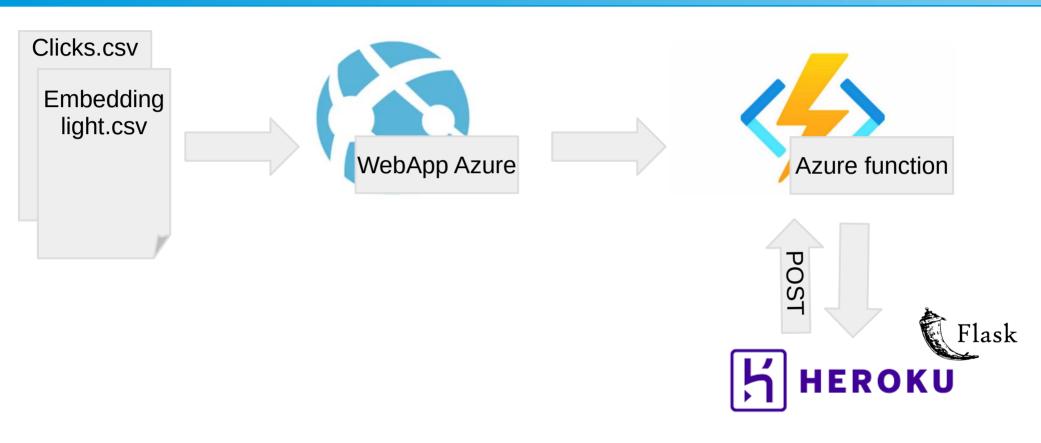


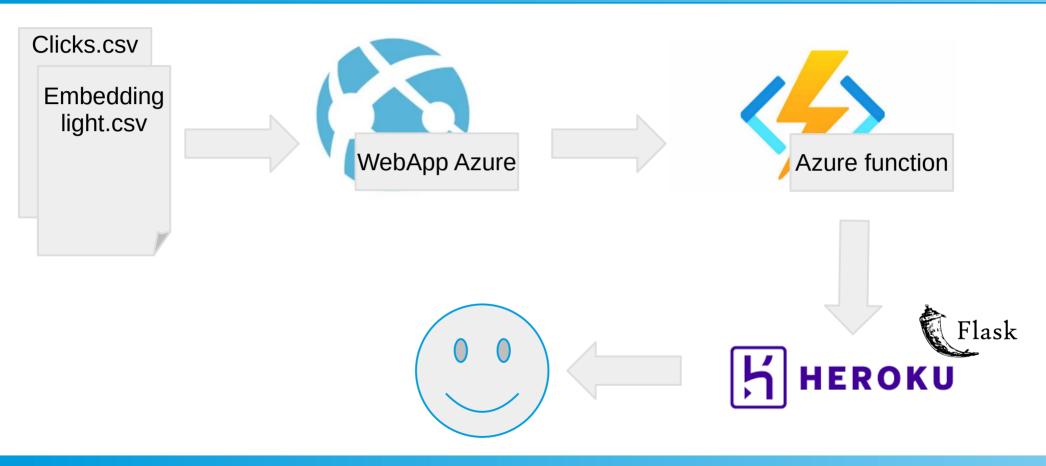


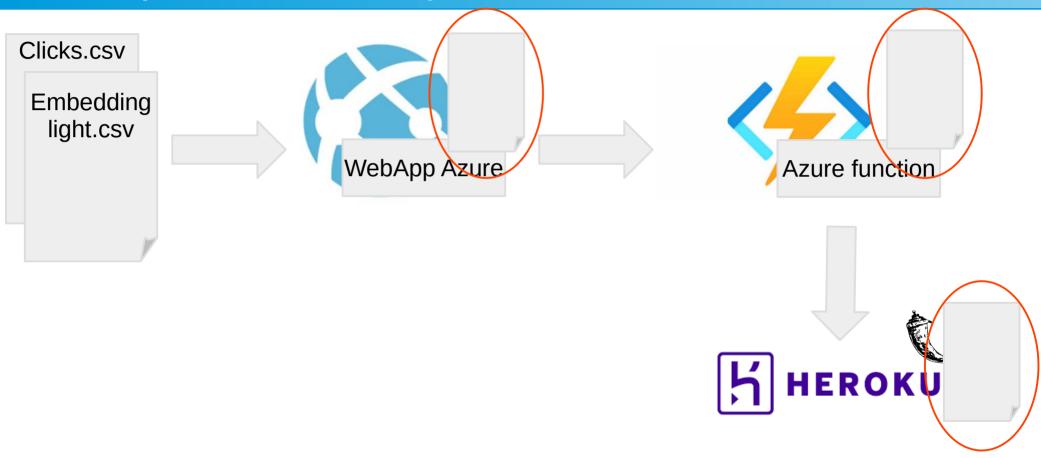


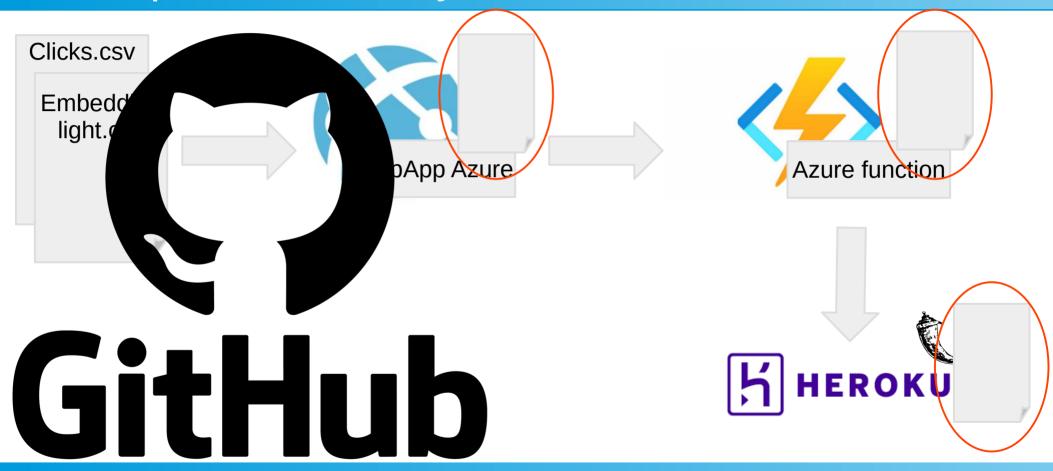


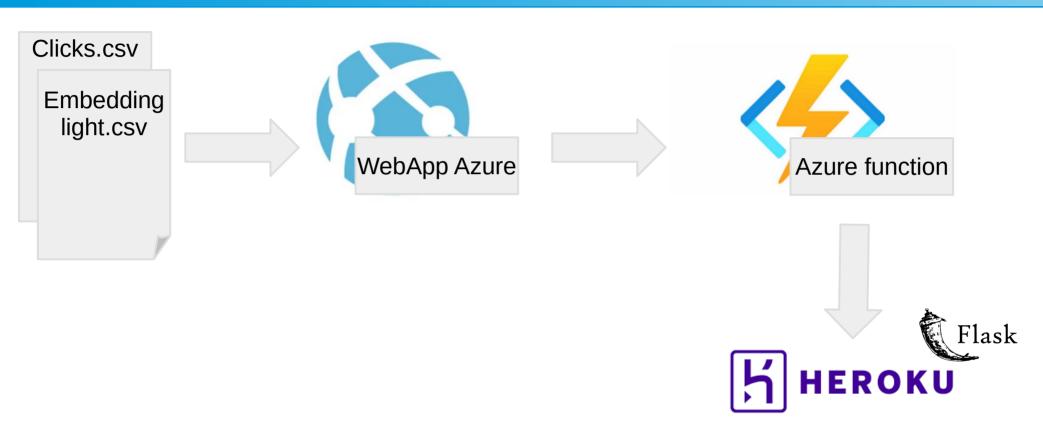


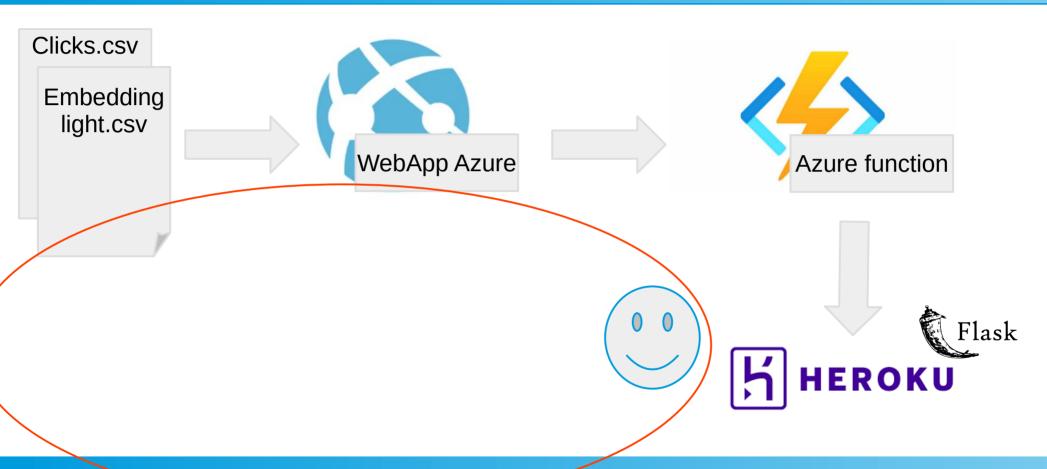


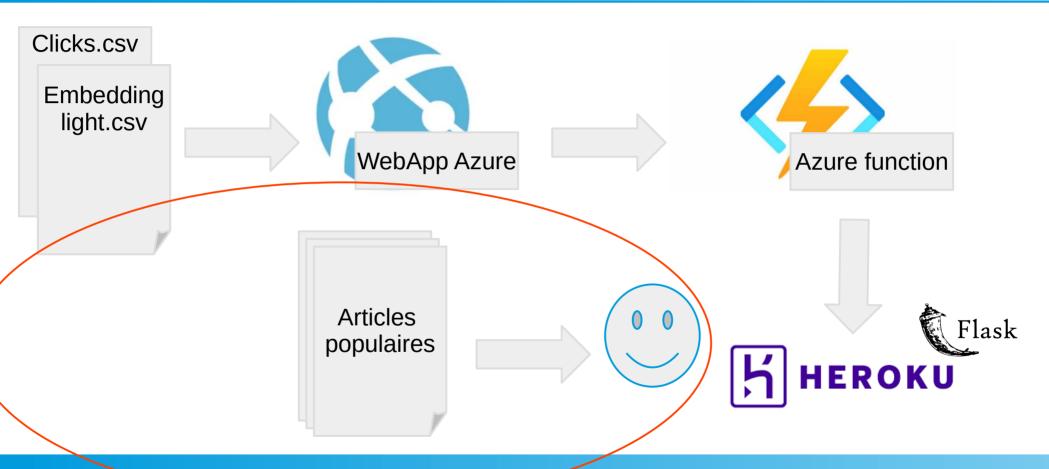


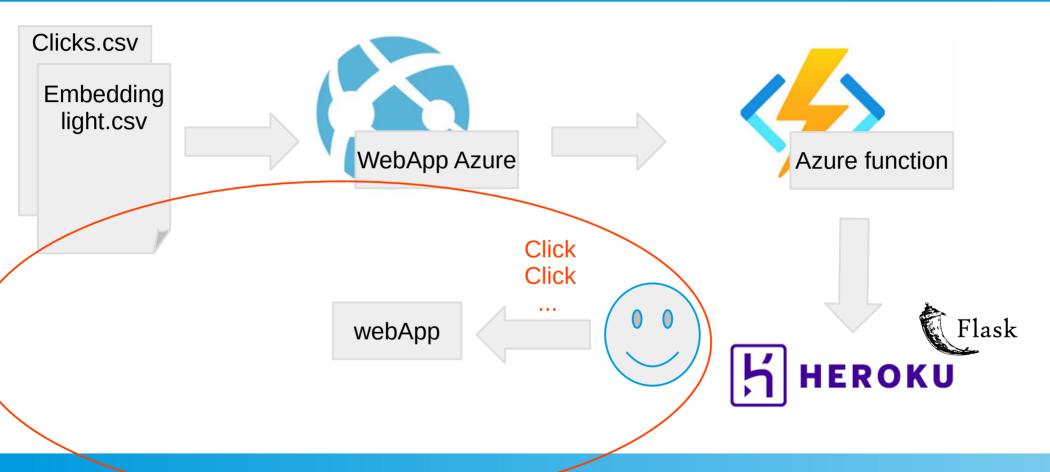


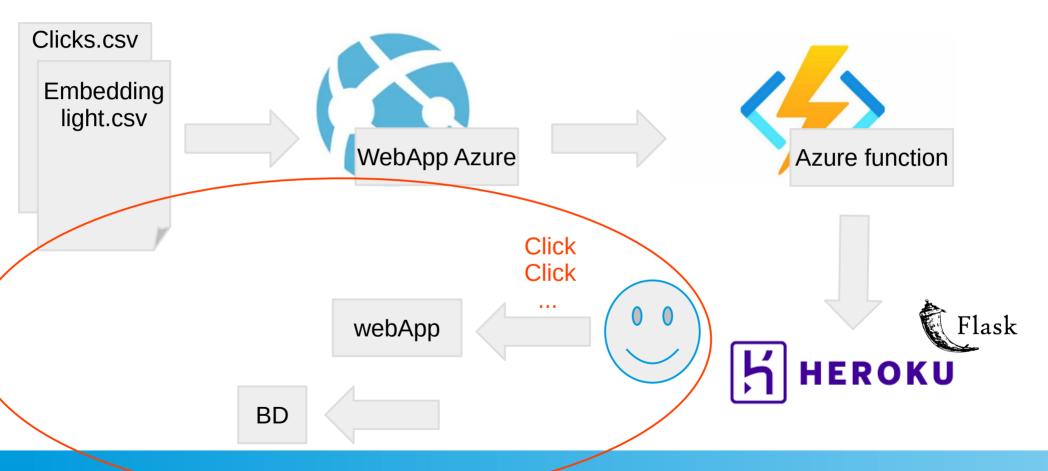


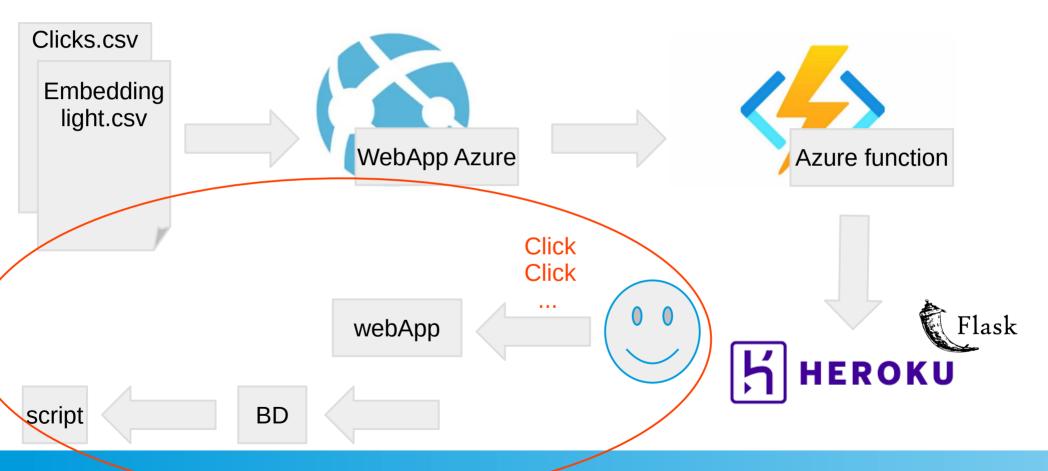


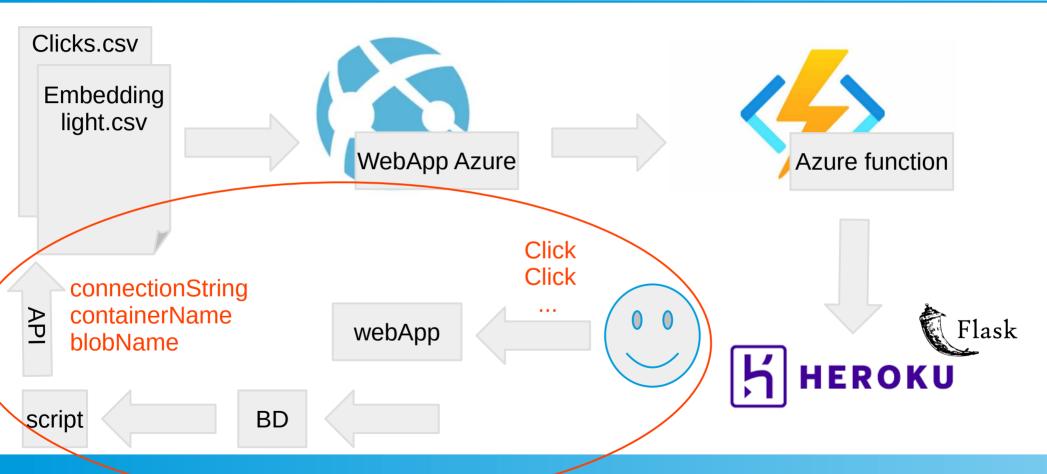


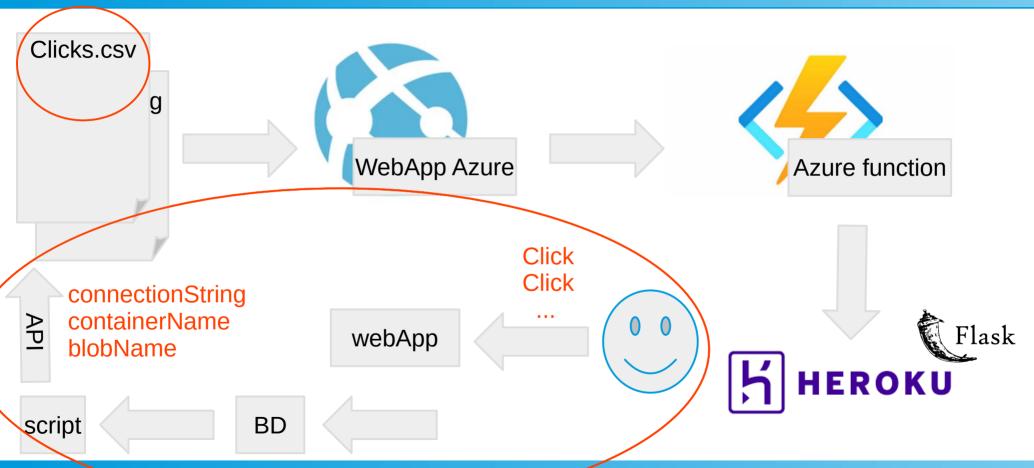


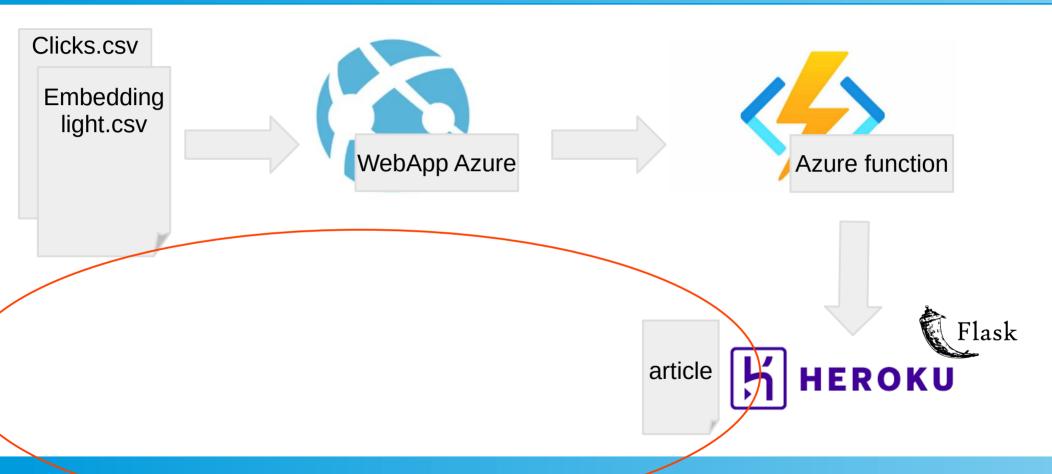


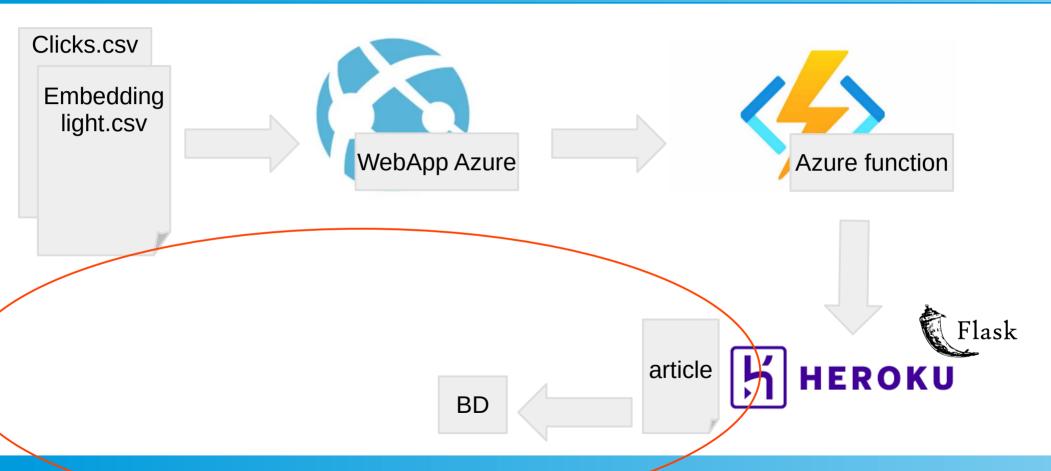


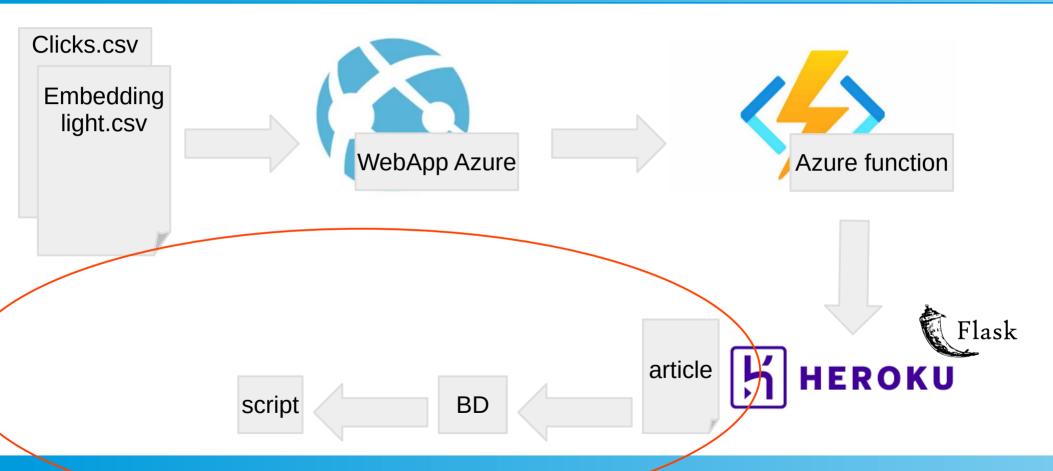


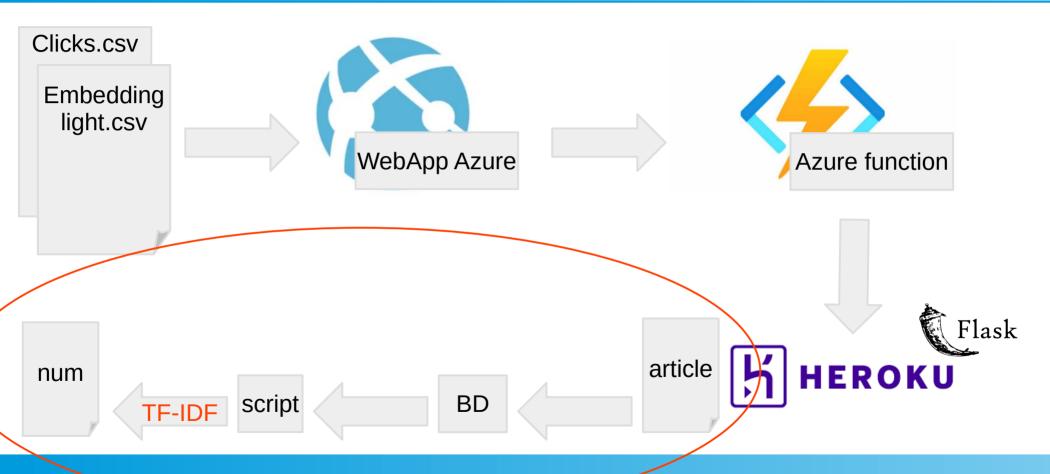


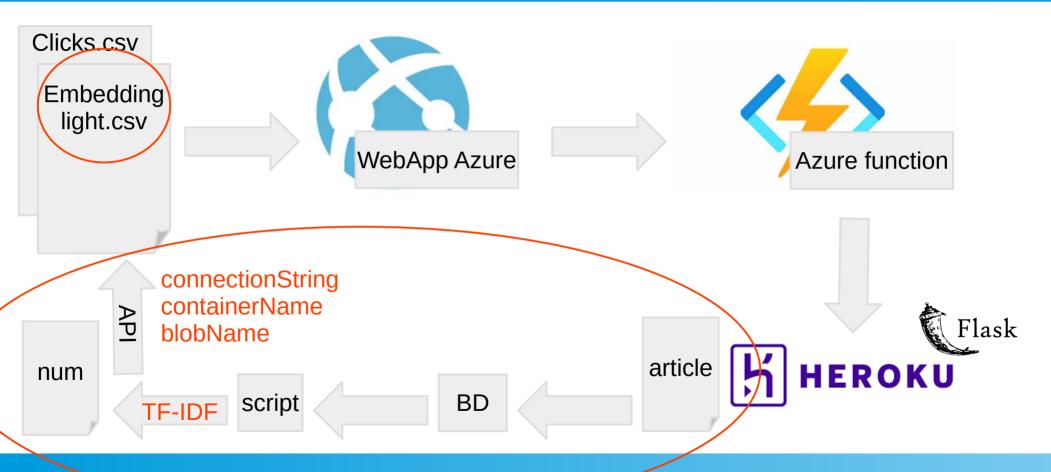












Conclusion

Conclusion

- Déploiement model
- Conception d'une appli A->Z
- Chaine d'API
- Azure function
- Méthode de recommandation

Perspective

- Démarrage à froid
- Autre méthode de recommandation
- Autre quantité/type de données
- Pré calculer
- Mise en prod