



Cultivating Data Science on Product Teams

July 28, 2021



Our teams are like gardens

Cultivating skillsets
(like data science!)
on different teams
leads to
AWESOME ideas,
collaborations, &
applications

Such as...



Automating data processing



Ryan S

Data Analytics Consultant

+



Jill Goodwyn

Data Scientist

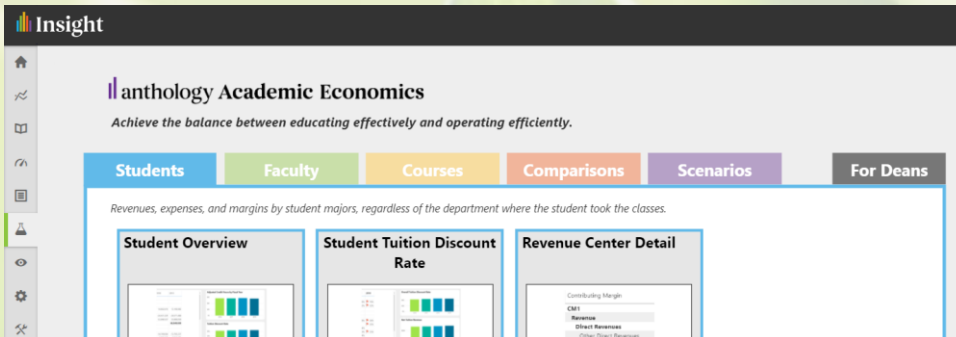
The situation:

Our product allows our customers to visualize and explore their financial data in detail. It helps them track their spending and strategize for the future.

The problem:

Whenever we get new financial data from an AE customer, **any uncategorized spending had to be processed manually.**

This required days of time per data file and was susceptible to human error.





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The idea:

Ryan & Jill teamed up to build an application to automatically categorize new financial data and find approximate matches for unknown data

This took us from **25 hours** per file to a few clicks and about **15 seconds**



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The bottom line:

Yes, this helps our internal users, but...

**This ultimately reduces the time to
value for customers!**





Automating data processing



Fast Facts

- **Created with Python using Tkinter user interface package**
 - Script took ~1.5 weeks to develop
 - UI took 1 day to create
- **Local executable**
 - High security
 - Sharing / updates not as easy
- **Other solutions explored:** Azure app service site



What it used to be like...



Automating data processing

**What it's like
now!**

