Lab: Getting Started with DSXL

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Overview

In this lab you will learn how to navigate within DSXL and create a new Project.

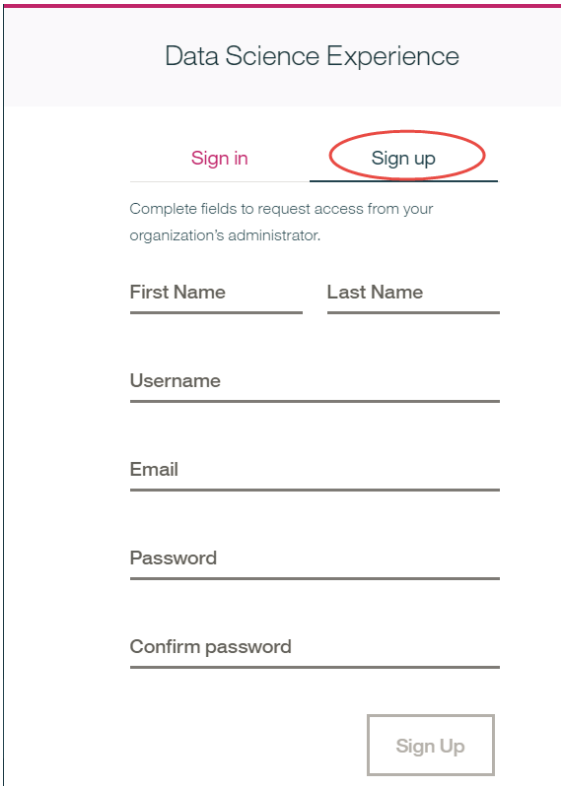
Required software, access, and files

- To complete this lab, you will need access to a DSX Local cluster.
- You will also need to download and unzip this GitHub repository: https://github.com/SidneyPhoon/DSX_Local_Workshop

Part 1: Login to Data Science Experience Local

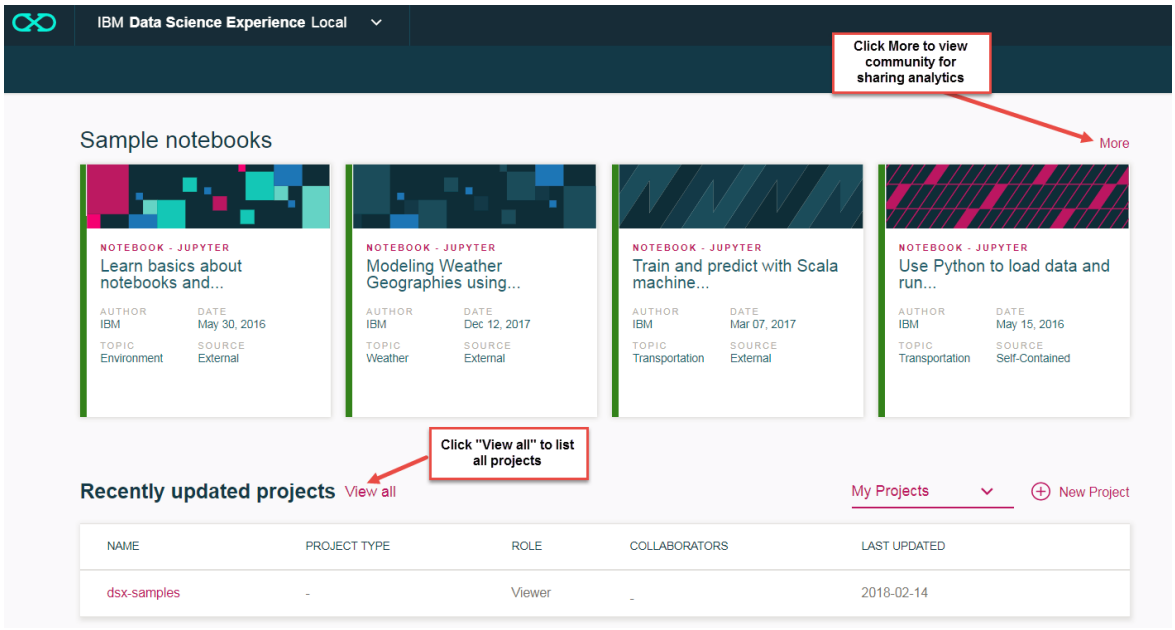
1. In a Firefox or Chrome browser, go to your assigned DSXL cluster, e.g https://x.x.xxx.xxx/auth/login/login.html

2. Click "Sign up" to sign up for an account. Your instructor will approve your account and you can begin the lab

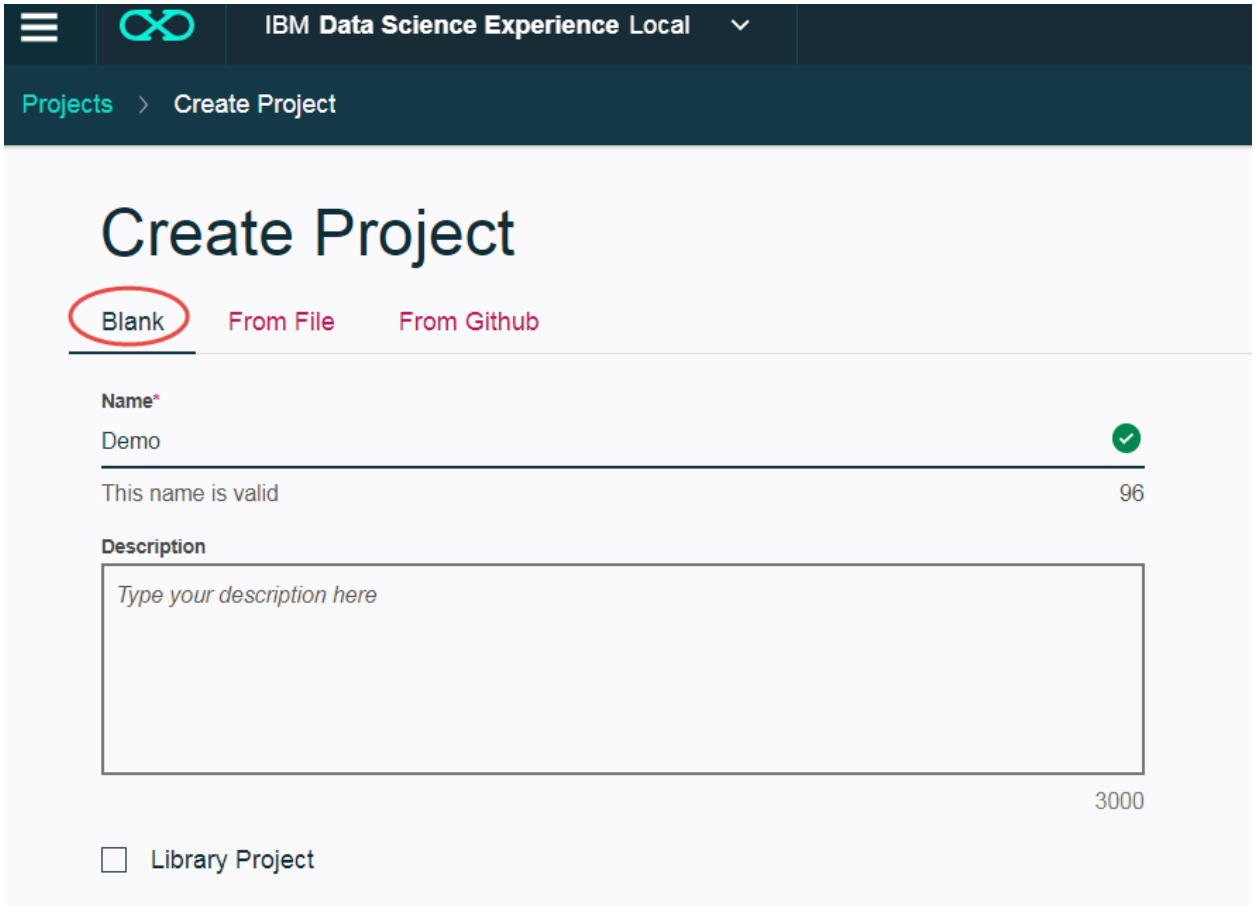


3. Sign into DSXL with your username

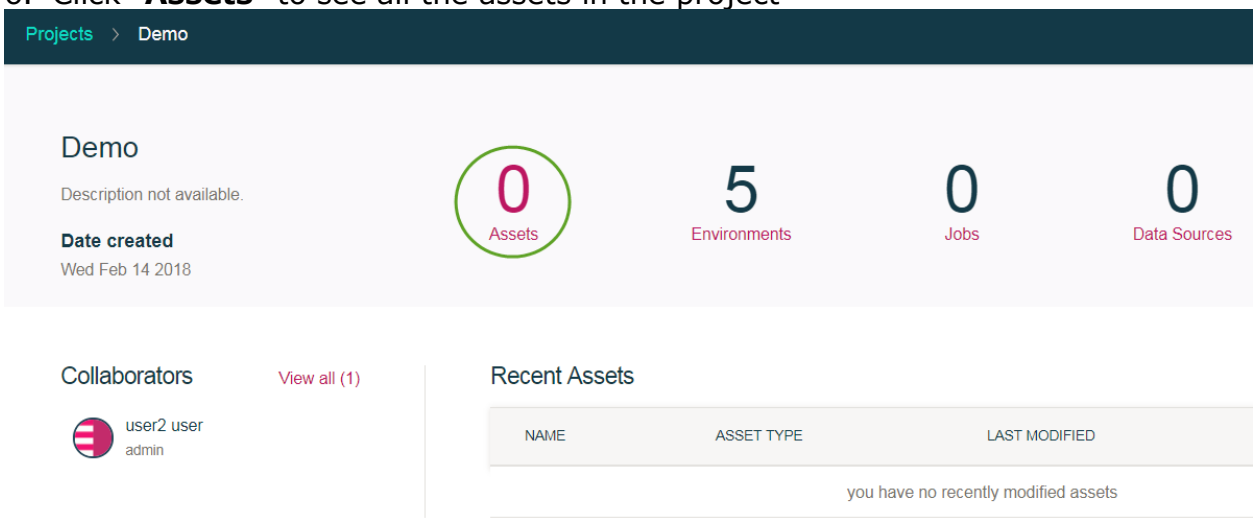
4. In the landing page, explore the Community and View Projects



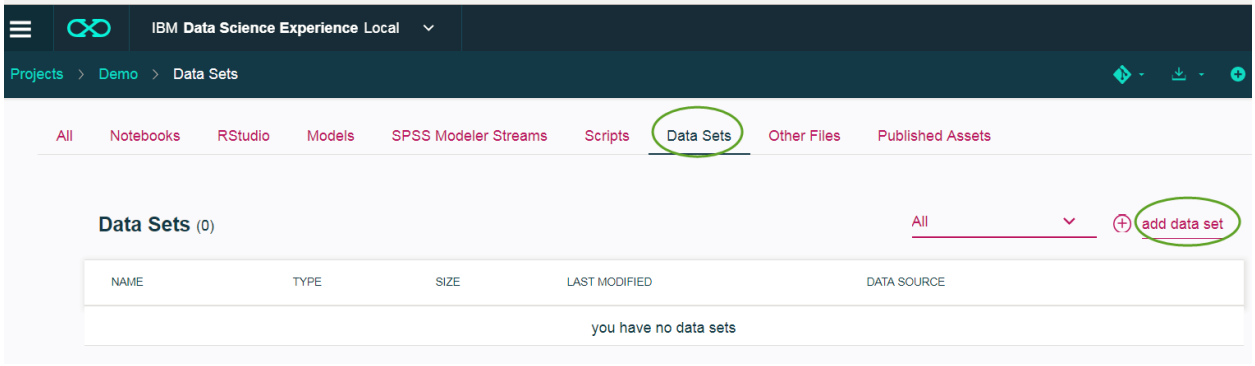
5. Click "**New Project**" to create a "**Blank**" new project.



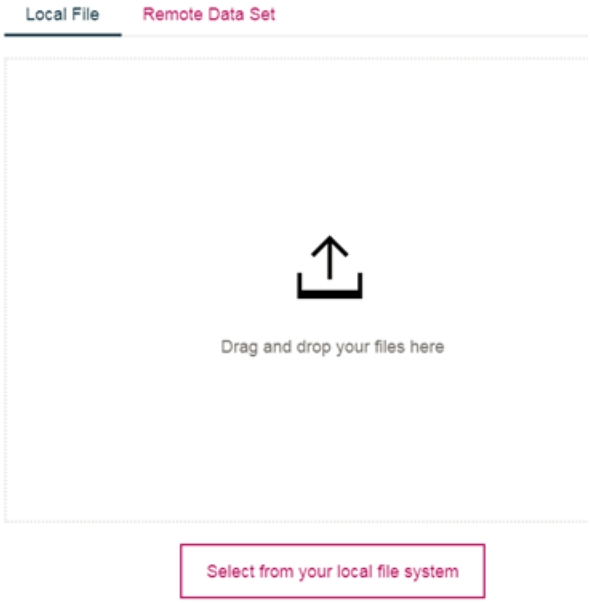
6. Click "**Assets**" to see all the assets in the project

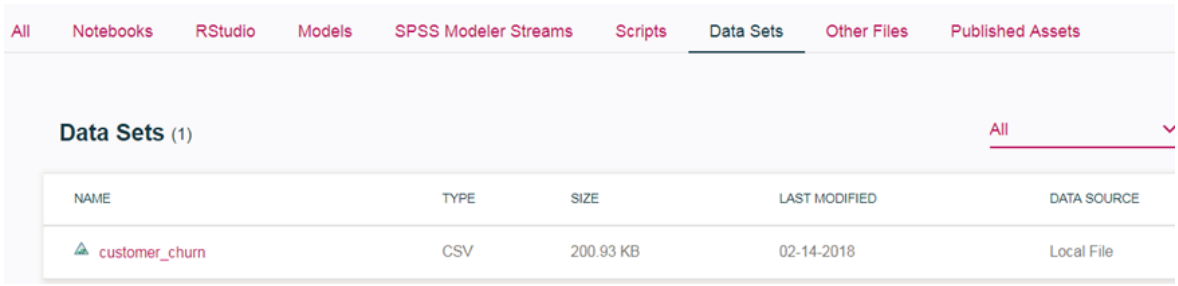


7. Click "**Data Sets**" and then "**add data set**" to upload a csv file into DSXL



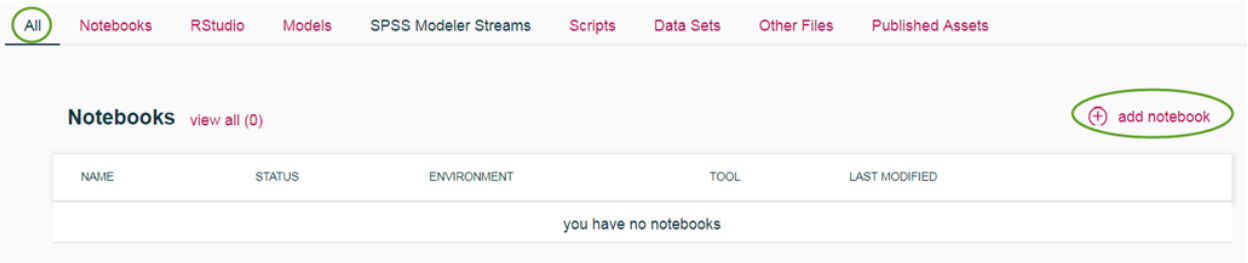
8. Load the ***customer_churn.csv***



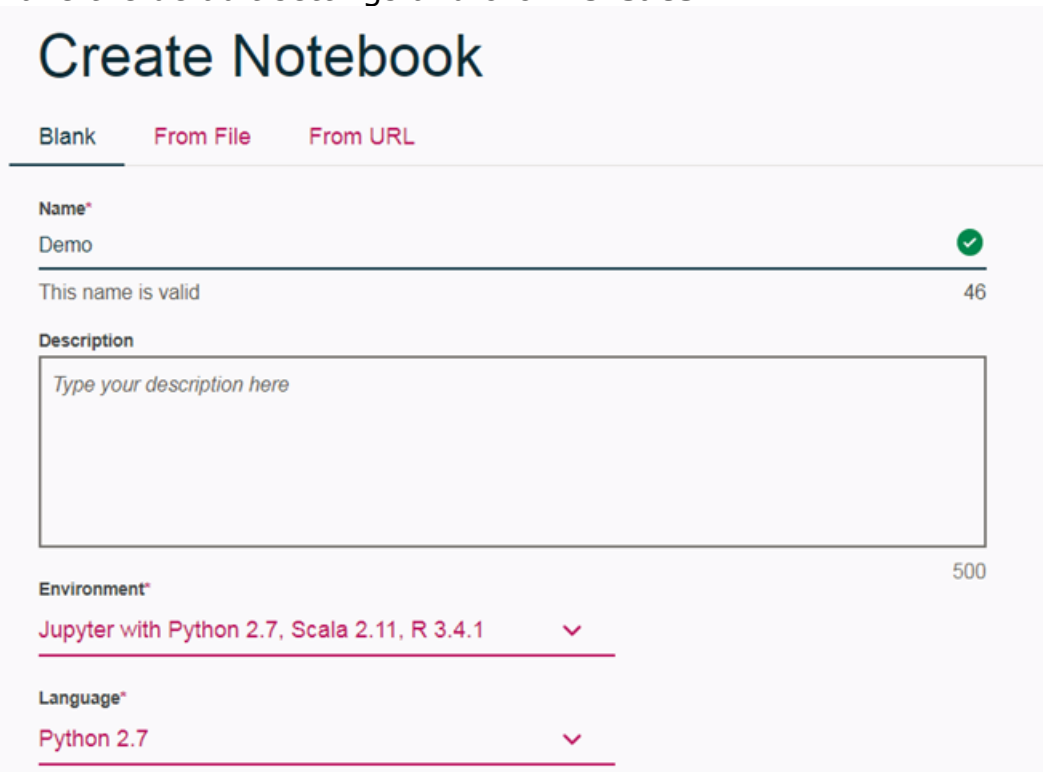


Part 2: Create a Jupyter Notebook

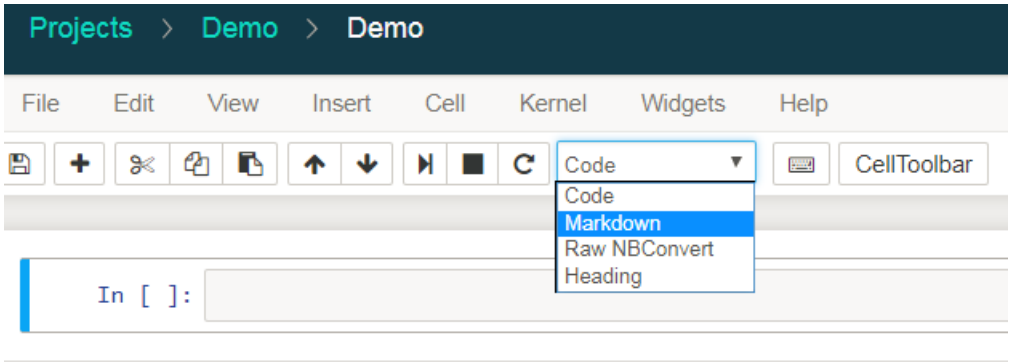
1. Within the project you have created in Part 1, click "**All**", and "**add notebook**" to add a blank notebook.



Take the default settings and click "**Create**"

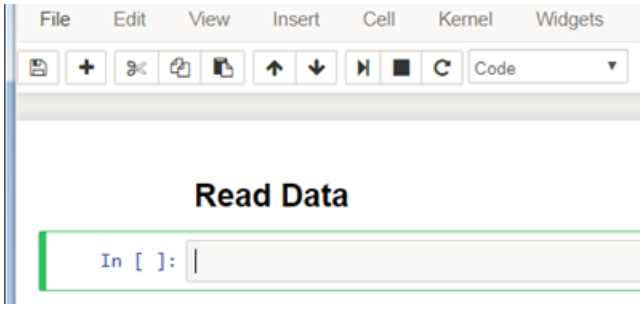


2. Define a **markdown** cell: place the cursor in the first code cell and change the cell type to **markdown**.



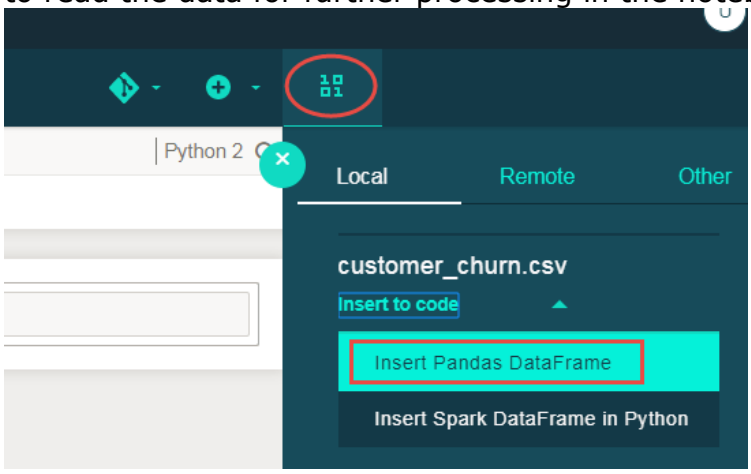
Enter **## Read Data** into the markdown cell and click the run icon.

Result:

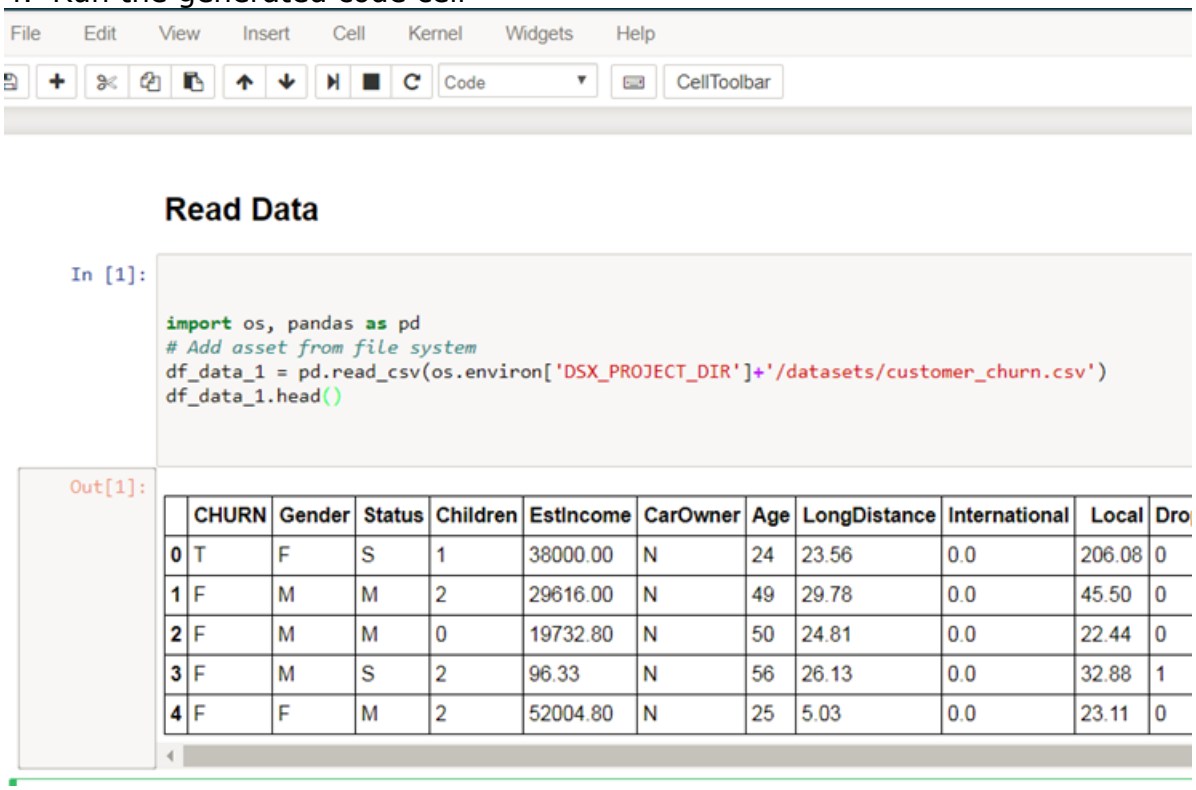


Markdown cheatsheet: https://datascience.ibm.com/docs/content/analyze-data/markd-jupyter.html?context=analytics

3. **Read data** into the notebook: Click the "**Find Data**" icon, click **insert to code** to insert the data as a Pandas dataframe. This will generate the code to read the data for further processing in the notebook.



4. Run the generated code cell



	CHURN	Gender	Status	Children	EstIncome	CarOwner	Age	LongDistance	International	Local	Dro
0	T	F	S	1	38000.00	N	24	23.56	0.0	206.08	0
1	F	M	M	2	29616.00	N	49	29.78	0.0	45.50	0
2	F	M	M	0	19732.80	N	50	24.81	0.0	22.44	0
3	F	M	S	2	96.33	N	56	26.13	0.0	32.88	1
4	F	F	M	2	52004.80	N	25	5.03	0.0	23.11	0