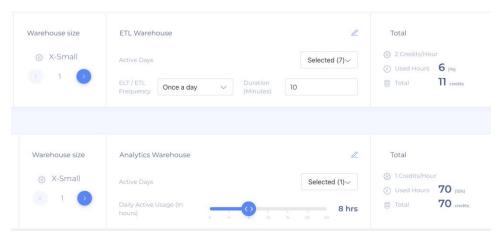1. Snowflake / Snowpark

Snowflake is billed on a per-second basis, with a minimum of 60 seconds. Using this Snowflake pricing calculator, we will estimate the cost of adding our group to Hum's Snowflake account.

For this project, we are making use of a dedicated warehouse set up for the RUP client and this project. Given the assumption that the warehouse gets updated once a day, this would result in 11 credits per month. For our group's usage, assuming that we each use 2 hours a week which would total 8 hours for our entire group per week, that would yield 70 credits per month. Using the price structure of Snowflake's Enterprise accounts, this would come out at $243 per month.

Estimates by Edition
(AWS - US-EAST)

Learn more about Snowflake pricing

ENTERPRISE

$ 3.00

$ 243

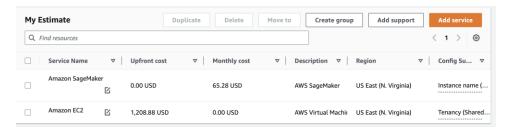Usage Cost per Month

2. AWS SageMaker

For AWS SageMaker we are using the following for the budget estimate:

- 4 users with 1 SageMaker Studio Notebook each
- 2 studio hours per day for 20 days in a month for 20 days in a month (weekend)
- Each instance would have 8 CPUs and 16 GB memory

Monthly cost of this would come out at $65.28 per month using the AWS calculator.

3. AWS virtual machines

If needed, our group will use an additional AWS EC2 (virtual machine) instance to run our code since we are unable to use Rivanna due to privacy concerns regarding the data. An instance with 4 CPUs and 8 GB of memory will have an upfront cost of $1,208.88.

My Estimate

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< 1 >

	Service Name		Upfront cost		Monthly cost		Description		Region		Config Su...	
☐	Amazon SageMaker		0.00 USD		65.28 USD		AWS SageMaker		US East (N. Virginia)		Instance name (...	
☐	Amazon EC2		1,208.88 USD		0.00 USD		AWS Virtual Machir		US East (N. Virginia)		Tenancy (Shared...	

Note:

These calculations are based on assumptions regarding the account types of Hum and the size of the resources we would need. Once we confirm these with Hum, we will be able to get a more accurate budget estimate.