

Итоговая самостоятельная работа Прекель

Цель:

Данное задание предназначено для закрепления знаний по технологиям BI. Итогом выполнения работы должен стать сайт, использующий куб для построения инфографики по выбранным исходным данным.

Задачи:

1. Определиться с предметной областью - подобрать исходные данные (БД, csv, xml, excel и т.д.). В качестве вариантов рекомендуется обратить внимание на правительственные ресурсы с open data.
2. Создать новую область в IS IRIS. На базе выбранных исходных данных сформировать таблицы и заполнить их (парсинг, миграция, csv mapper).
3. Выбрать таблицу фактов. На базе данной таблицы построить куб (подобрать измерения, иерархии, показатели, списки, и т.д.).
4. Сформировать сводную таблицу для получения базового MDX запроса.
5. Установить и настроить библиотеку MDXtoJSON ([репозиторий](#)).
6. Протестировать работу библиотеки на базовых GET запросах.
7. Создать веб-приложение для размещения инфографики (можно использовать любые подходящие вам инструменты: angular, react, view, чистый html+js с использованием ajax запросов и т.д.).
8. Подобрать библиотеку для отображения инфографики на сайте.
9. Создать несколько компонентов инфографики, с рядом доступных фильтров.
 - Пользователь выбирает/вводит данные в фильтре
 - Значения из фильтров встраиваются в подготовленный MDX запрос (из пункта 4)
 - MDX запрос отправляется как параметр http запроса приложению MDXtoJSON
 - В качестве ответа получают данные и описание колонок в JSON
 - После обработки данные должны отрисоваться выбранной библиотекой

Данные: [https://github.com/prekel/azureusage/blob/master/AzureUsage\(5\).csv](https://github.com/prekel/azureusage/blob/master/AzureUsage(5).csv)

Исходный код: <https://github.com/prekel/azureusage>

Wizard

Close Window

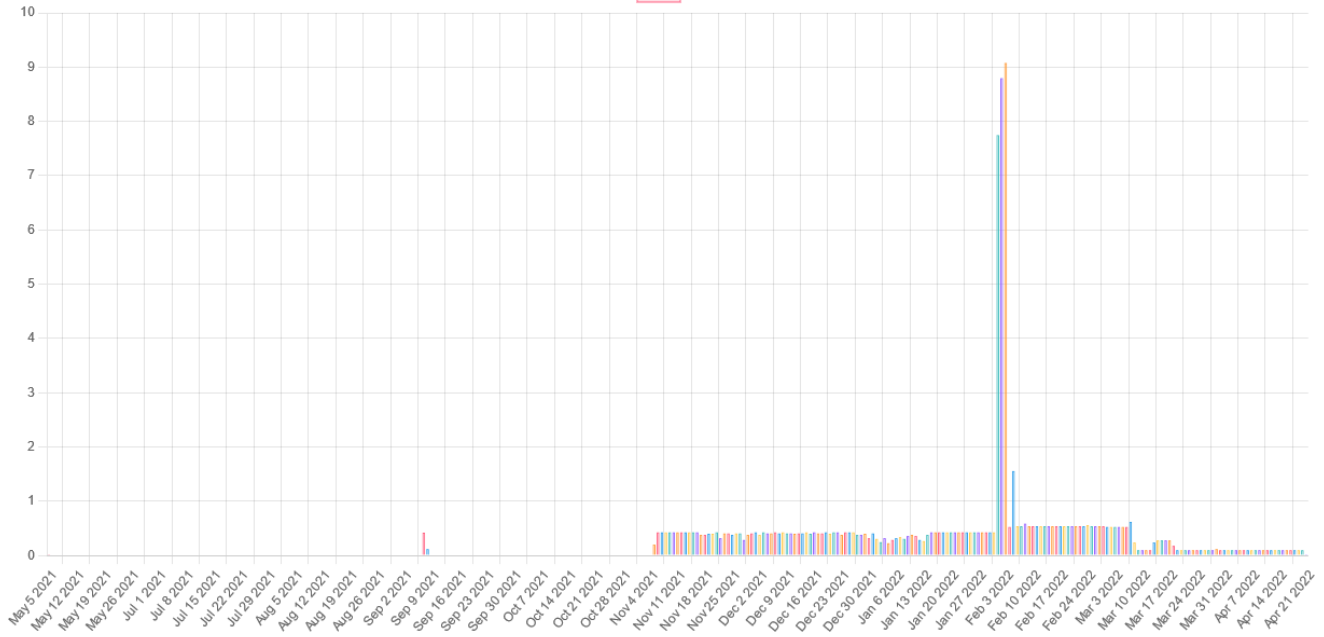
Last update: 2022-04-21 11:24:22.440

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2	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	03/13/2022	ba078a6-6696-4acc-89d1-0cc9f10dc5e1	Bandwidth	Inter-Region	Europe	Data Transfer Out	0.00115999999999999982	0.0000300000000000000944	0
3	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	03/14/2022	ba078a6-6696-4acc-89d1-0cc9f10dc5e1	Bandwidth	Inter-Region	Europe	Data Transfer Out	0.0005500000000000000191	0.0000300000000000000944	0
4	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	03/15/2022	ba078a6-6696-4acc-89d1-0cc9f10dc5e1	Bandwidth	Inter-Region	Europe	Data Transfer Out	0.0011250000000000000098	0.0000199999999999999986	0
5	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	03/16/2022	ba078a6-6696-4acc-89d1-0cc9f10dc5e1	Bandwidth	Inter-Region	Europe	Data Transfer Out	0.0002000000000000000398	0.0000099999999999999988	0
6	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	03/17/2022	ba078a6-6696-4acc-89d1-0cc9f10dc5e1	Bandwidth	Inter-Region	Europe	Data Transfer Out	0.0018300000000000000284	0.0000300000000000000761	0
7	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	03/18/2022	ba078a6-6696-4acc-89d1-0cc9f10dc5e1	Bandwidth	Inter-Region	Europe	Data Transfer Out	0.00019999999999999713	0	0
8	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	03/19/2022	ba078a6-6696-4acc-89d1-0cc9f10dc5e1	Storage	Files v2	EU North	LRS Metadata	0.0007200000000000000124	0	0
9	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	02/04/2022	d10c801f-782-407f-97a1-0d25a42d6828	Storage	Files v2	EU North	LRS Metadata	0.0007200000000000000124	0	0
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13	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	02/08/2022	d10c801f-782-407f-97a1-0d25a42d6828	Storage	Files v2	EU North	LRS Metadata	0.0007200000000000000124	0	0
14	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	02/09/2022	d10c801f-782-407f-97a1-0d25a42d6828	Storage	Files v2	EU North	LRS Metadata	0.0007200000000000000124	0	0
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18	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	02/13/2022	d10c801f-782-407f-97a1-0d25a42d6828	Storage	Files v2	EU North	LRS Metadata	0.0007200000000000000124	0	0
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34	Azure for Students	106b1632-4226-4aef-abb2-5ae3282b6c5f	03/01/2022	d10c801f-782-407f-97a1-0d25a42d6828	Storage	Files v2	EU North	LRS Metadata	0.0007200000000000000124	0	0
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ServiceName				Month				Cost				Drop filter here			
ServiceType				Drop column here				Drop measure here							
ServiceResource															
Drop row here															
Drop row here															
ServiceName	ServiceType	ServiceResource		May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022	Mar-2022	Apr-2022
Azure App Service	Basic Plan - Linux	B1		0.02				0.01		10.34	12.70	11.72	12.04	3.24	
	Free Plan	F1		0.00				0.00						0.00	
	Free Plan - Linux	F1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Backup	All	Azure Files Protected Instances											0.08		
Bandwidth	All	Data Transfer In											0.00	0.00	0.00
		Data Transfer Out - Free											0.00	0.00	0.00
	Inter-Region	Data Transfer In											0.00		
Container Instances		Data Transfer Out											3.07	0.00	
	All	Memory Duration						0.08							
		vCPU Duration						0.45							
Storage	Files	Delete Operations											0.00		
		List Operations - Free											0.00		
		LRS Write Operations - Free											0.00	0.00	
		Protocol Operations - Free											0.00	0.00	0.00
	Files v2	Read Operations - Free											0.00		
		Cool LRS Data Stored											2.80	3.10	2.02
		Cool LRS Write Operations											4.31	0.02	
		Cool Other Operations											0.01		
	Premium Files	Cool Read Operations											0.12		
		LRS Metadata											0.00	0.00	0.00
	Standard HDD Managed Disks	LRS Provisioned											17.78		
		Disk Operations - Free												0.00	
		S4 Disks												0.26	

Cells: 1 Total: 3.07

SubscriptionName Cost Azure for Students



ServiceName Price Azure App Service

