

# MAINFRAME SOCIETY

UNLEASH YOUR POTENTIAL

When they open Powerpoint and you  
see slide "1 out of 243"



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Customer examples are like carefully optimized assembler code: they show how some sysadmins have conquered the mainframe, but your mileage may vary.

Your results might differ based on your operating system, skill level, or whether you still run on COBOL from 1974.

Workshops and sessions may be crafted by independent mainframe gurus who dwell in the deepest corners of their data centers. Their ideas may not represent the views of Mainframe Society, especially if they suggest using punch cards (please, no).

Oh, and not all offerings are available in every galaxy. So if you're running on a legacy server in a parallel universe—sorry, no Mainframe Society support for you!

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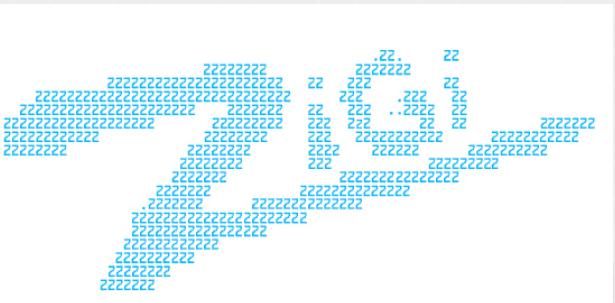
Live long and compile!

# **My (big) promise for today...**

**At the end of this session, you'll have  
another (better?, faster?, cooler?) way to  
analyze and work with your RACF  
unloads...**

# For those of you that don't know me...

This is me



Belastingdienst

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Credly: <https://www.credly.com/users/wizardofzos>

# Frustration

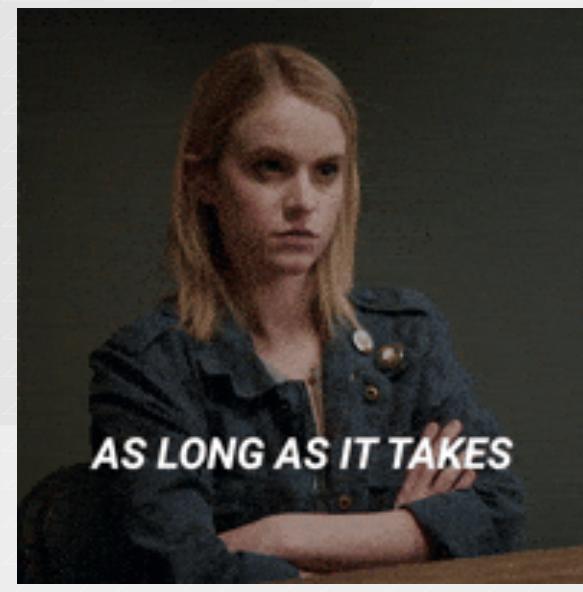


# Question(s)...

How long does it take you to extract *meaningful* reports from your RACF environment?

And share them (with auditors?) in a format they can work with?

Or generate corrective actions based on your findings?



# There's nothing wrong with CARLa, but...



```
newlist type=racf title="Profiles where IBMUSER is on access list"
define acl subselect acl(id=ibmuser)
s acl(id=ibmuser)
sortlist class profile acl(aclaccess,7,"Access")
```

PROFILE LISTING 12 Aug 2008 00:20  
Profiles where IBMUSER is on access list

Class	Profile key	Access
ACCTNUM	**	ALTER
DATASET	CBC.**	NONE
DATASET	CRMQARUN.ACCESS.B.**	READ
DATASET	CRMQARUN.NOACCESS.B.**	NONE
FACILITY	\$CNF.RACF	ALTER
FACILITY	CKF.RACF	ALTER
STARTED	BLSJPRMI.*	ALTER
STARTED	CATALOG.*	ALTER
STARTED	CIC410A.*	ALTER

# **...it doesn't really work for me**

- *Usually I take too long to ‘craft the perfect CARLa’*
- *Once the results are there, I’m spending too much time creating an XLS or other ‘sharable’ display of my findings.*
- *When I needed an update to the report, that pain starts all over again*
- *Provided you’ve zSecure/Consul available on the system*



# Say hello to MFPandas



# What is MFPandas?

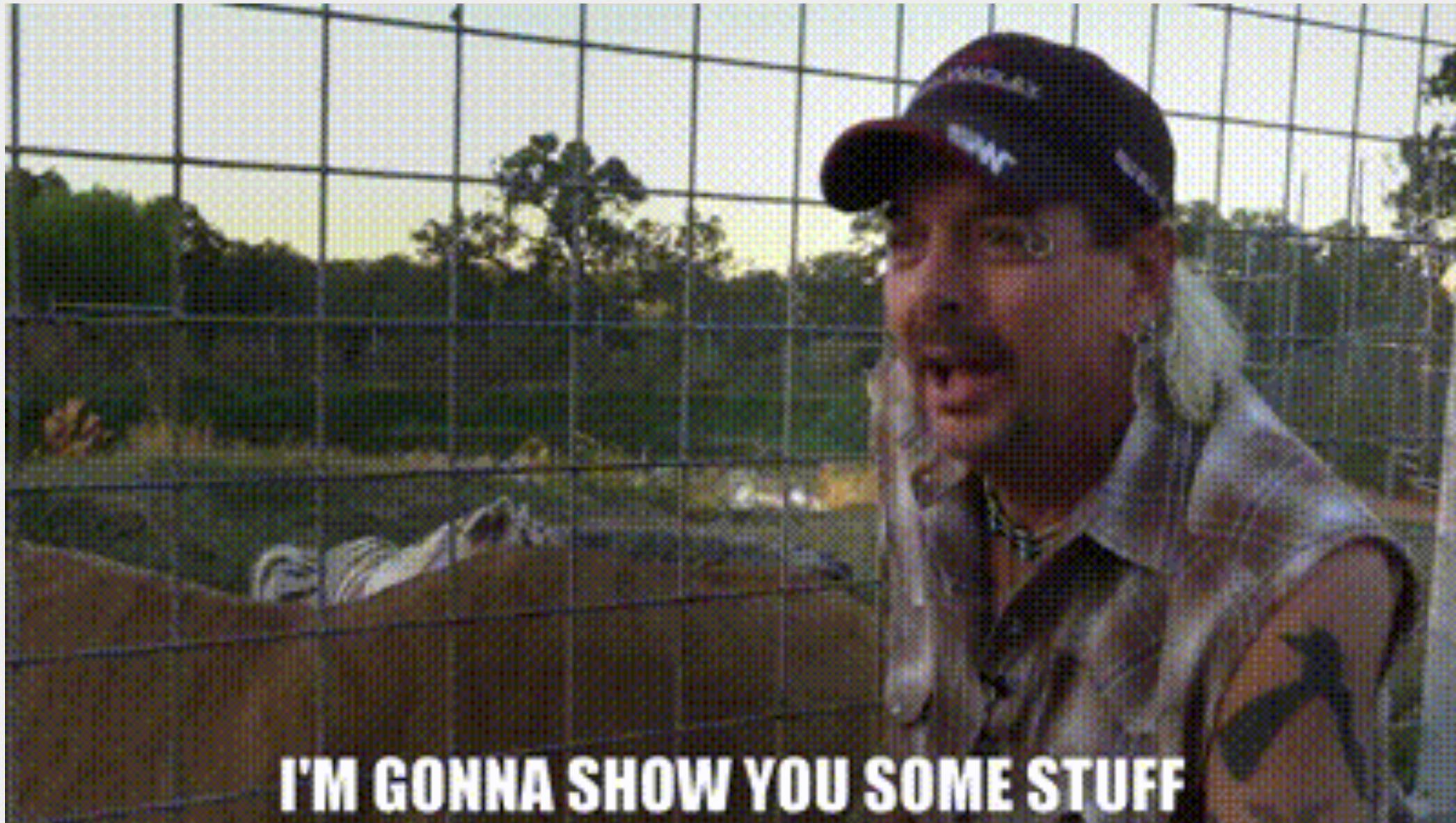
*For decades, z/OS has generated vast amounts of critical system data, storing it in structured datasets. Security logs, access controls, and storage records are all captured in formats that are essential for managing and auditing mainframe environments. Traditionally, if you wanted to extract insights from this data, you'd rely on tools like DFSort or ICETOOL—robust, but rigid solutions that require extensive JCL scripting and careful formatting to generate meaningful reports. While effective, these approaches are slow, inflexible, and not easily adaptable to modern analytics needs.*

*But what if you could query and analyze this data dynamically, without writing JCL, and export it effortlessly into formats like Excel or CSV? Enter MFPandas—a modern, Python-powered solution that brings flexibility and efficiency to mainframe data analysis. Instead of predefined report structures and cumbersome batch jobs, MFPandas allows you to interactively explore RACF and DCOLLECT data, filter results in real time, and apply advanced data transformations with just a few lines of Python code.*

*By leveraging pandas, a powerful data manipulation library widely used in finance, machine learning, and data science, MFPandas turns static mainframe reports into live, interactive datasets that can be sorted, filtered, and exported in seconds. No more waiting for batch jobs to run. No more struggling with rigid report formats. Just fast, flexible, and insightful security analysis at your fingertips.*

*MFPandas isn't just about modernization—it's about empowering security teams and mainframe professionals with tools that keep up with today's data-driven world. Whether you're identifying orphaned datasets, auditing user access permissions, or detecting unusual security patterns, MFPandas makes it easier, faster, and far more efficient than traditional methods.*

*So why stick to legacy tools that slow you down? With MFPandas, you can unlock the full potential of z/OS security data—all with the power and simplicity of Python.*



I'M GONNA SHOW YOU SOME STUFF

# Future Features being thought of...

- RMM Extract data?
- Catalog data?
- IODF?
- Top Secret / ACF2 unloads?
- SMF80? 30? 120?

You might have ideas?  
Found bugs?  
Why not contribute?



# Links

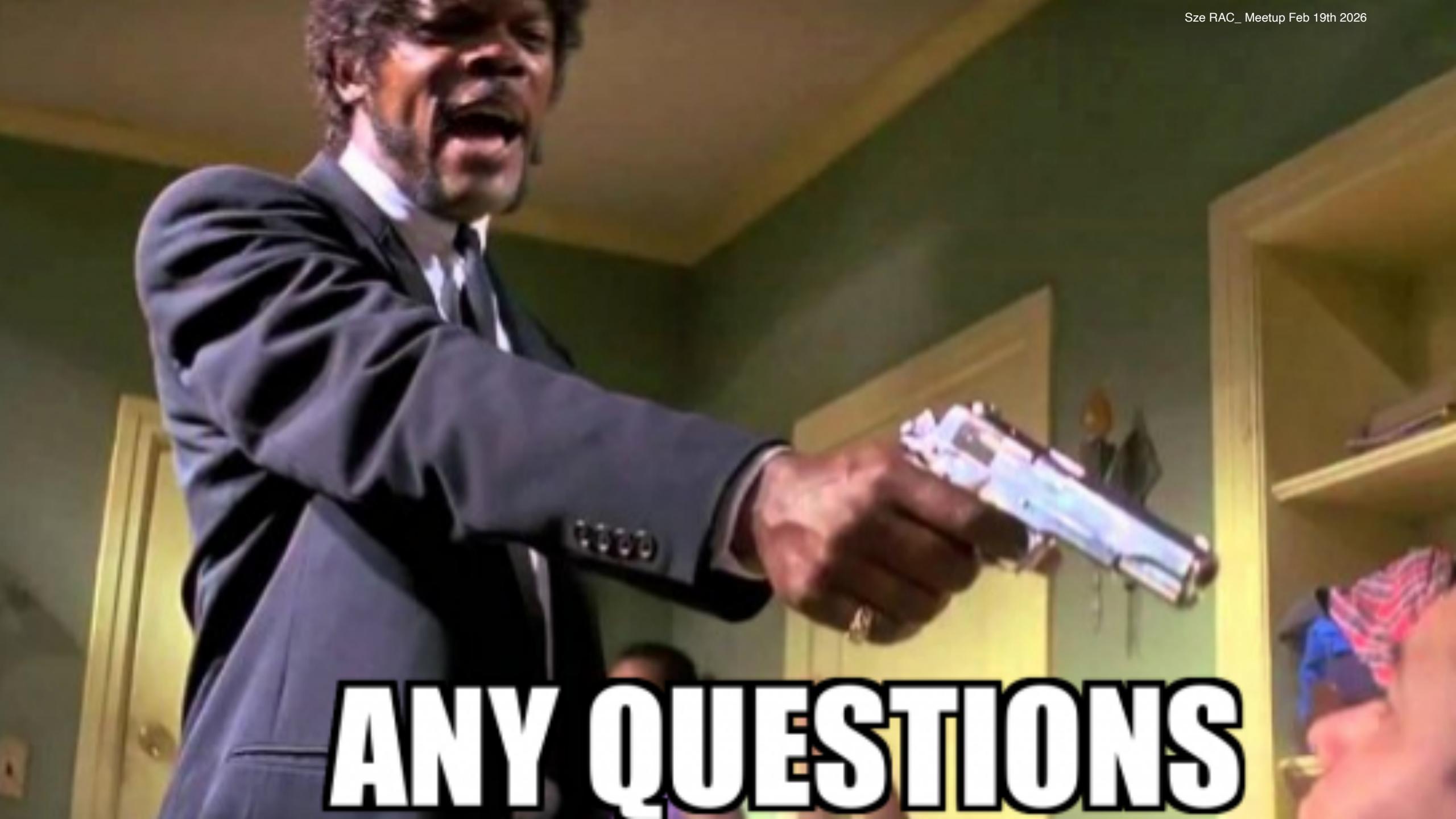
Documentation: <https://mfpandas.readthedocs.io>

GitHub: <https://github.com/wizardofzos/mfpandas>

PyPi: <https://pypi.org/project/mfpandas/>

Demo Repo: <https://github.com/wizardofzos/sze-25-mfpandas>

Pandas Documentation: <https://pandas.pydata.org/docs/index.html>

A dramatic scene from a movie. A man with curly hair, wearing a dark suit, white shirt, and striped tie, is shouting with his mouth wide open. He is pointing a silver revolver with both hands towards the right side of the frame. The background shows a room with yellow walls and a painting of a landscape with a sun. In the bottom right corner, a person's hand is visible holding a cigarette.

**ANY QUESTIONS**

# Thank You For Your Attention!

Presentation is over!