

# DEVCON 20



# Welcome to Bb DEVCON20!

Hope you are having an out of this world, blast-tastic, far out, ... time!  
Yes, bad puns and phrases welcome here.



# A Galaxy of Learn Data

Blast off with BbData & Python in 2020...and beyond!

# Who is this guy?

## About Me

My name is Michael Bechtel and I have been working at Indian River State College for the past 12 years. I have been working in programing development and design for just shy of 30 years. I started when I was 13 years old and never stopped.

## What I do?

I am the LMS Specialist at IRSC and currently lead the technical side of our college website in development, training, and architecture.

## Ready?!?!

Let's strap in and get ready to blast off with some LIVE demos!!!

## Our Agenda

Note: This assumes that you have already installed Python3, Git, and NPM Installed on your machine.

### Get Access to project demos

<https://github.com/elmiguel/BBDN-BlackboardData-Python>

<https://github.com/elmiguel/BBDN-BlackboardData-Queries>

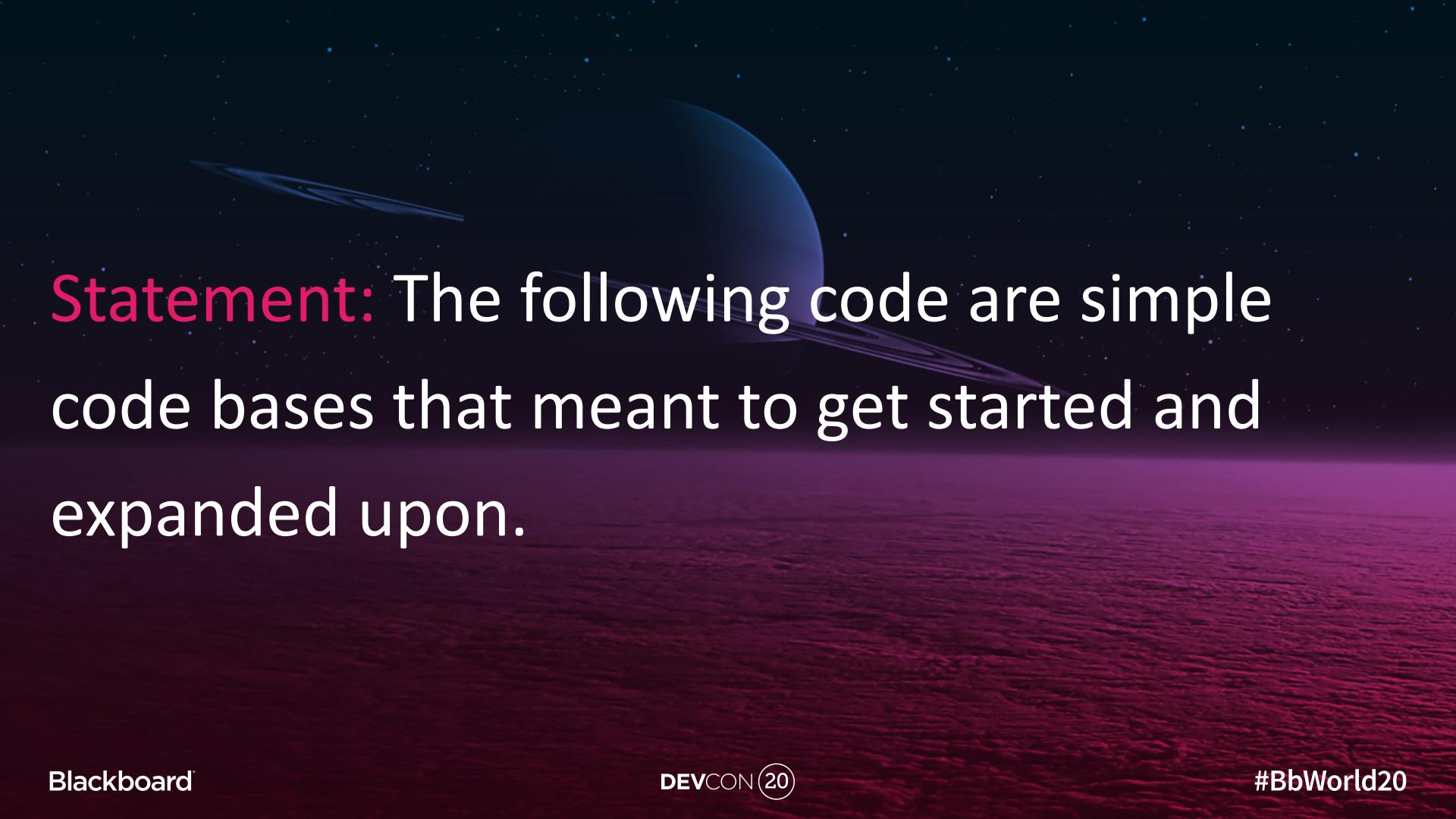
<https://github.com/elmiguel/BbWorld20>

### Install the projects

These projects have been included with a requirements.txt file and uses a package control manage using Yarn (or NPM)

### Start hacking away!

From here, if all goes well... you should be able to follow along and start the working demos.



**Statement:** The following code are simple code bases that meant to get started and expanded upon.

# Forward-Looking Statement

Statements regarding our product development initiatives, including new products and future product upgrades, updates or enhancements represent our current intentions, but may be modified, delayed or abandoned without prior notice and there is no assurance that such offering, upgrades, updates or functionality will become available unless and until they have been made generally available to our customers.

# Accessing the project demos ... granting access ...



Installing the projects  
92% chunk asset optimization...



## Quick Demo 1

Getting up and running with Python and Snowflake  
using SQLAlchemy, Pandas, and MathPlotLib...

# Project 1 Demo Overview

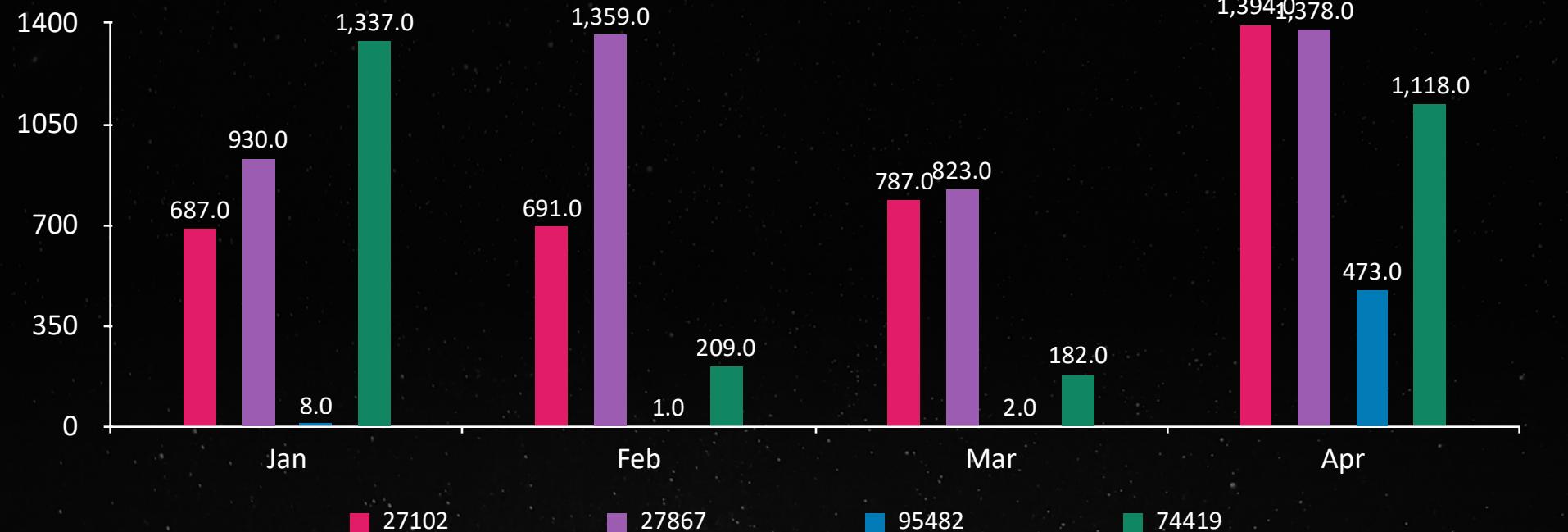
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- Import the necessary modules and settings to configure the project.
  - Setup a store if you wish to persist the results
  - Create the connection to Bb Data and start your session
  - Create a query to run and display
  - Run and see results.

# Sample Result:

	first_name	last_name	person_id	Month	duration_minutes
0	Hans	Solo	27102	4	1394
1	Luke	Skywalker	11812	4	1900
2	Baby	Yoda	5668	4	1691
3	Bobba	Fett	18284	4	2358
4	Princess	Leia	46172	4	2569
5	Darth	Vader	2311	4	3838

# Time Spent In Learn



Source

## Quick Demo 2

Create a Flask Web application that uses the Snowflake Connector and using custom web components.

# Project 2 Demo Overview

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- Import the necessary modules and settings to configure the project.
  - Create the connection to Bb Data and start your session
  - Create a query and variables to load data from Bb Data
  - Serve out the project to compile the build and start the application
  - Run and see results.



**Start Hacking!**  
Let's build a quick query together...

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