

Home icon

Features

Menu icon

Search icon

Dashboard

Custom Dashboard

Tools icons: T, Plus, Minus, Document, Calendar, Gear, Question mark

My Test Requests

Add

> Wild Drive-(NEGATIVE) 311561 (February 6 to N/A)	Document icon	Checkmark icon	More icon
> Wild Drive-123457 (January 28 to N/A)	Document icon	Checkmark icon	More icon
> Wild Drive-307226 (January 25 to N/A)	Document icon	Checkmark icon	More icon
> Wild Drive-311561 (December 21 to N/A)	Document icon	Checkmark icon	More icon
> Regen Efficiency Calibration-307226 (December 21 to N/A)	Document icon	Checkmark icon	More icon

Navigation: < 1 >

Recommendations

From your team ...

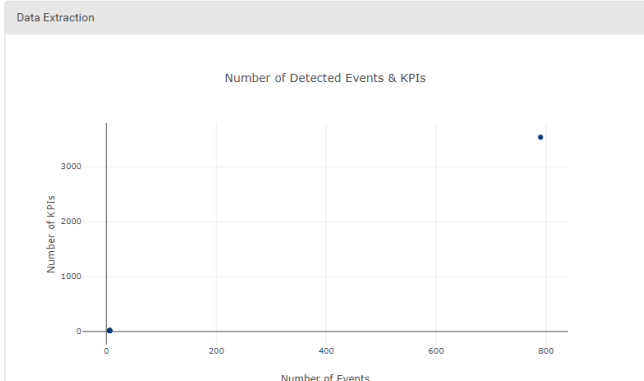
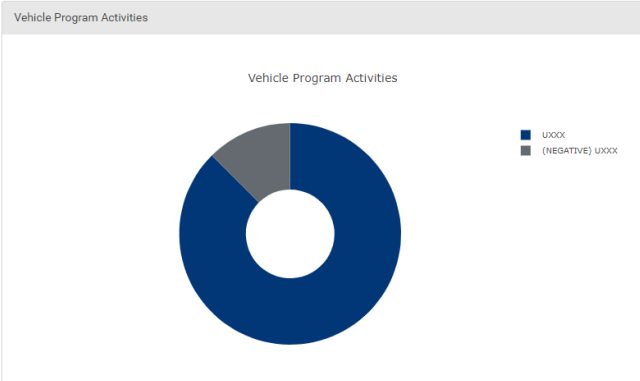
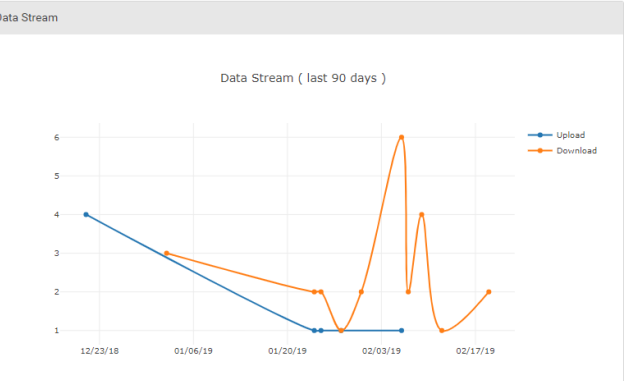
Author:	Test User	Author:	Test User	Author:	Test User
Team:	Any Team	Team:	Any Team	Team:	Regen Team
UUT Tag Number:	123457	UUT Tag Number:	307226	UUT Tag Number:	307226
Test Request:	Wild Drive-123457	Test Request:	Wild Drive-307226	Test Request:	Regen Efficiency Calibration-307226
Test Drive:	Test Drive 1	Test Drive:	Test Drive 1	Test Drive:	Test Drive 1
Events Type Similarity:	59.24%	Events Type Similarity:	58.7%	Events Type Similarity:	52.82%
Summary:	Test Drive Summary	Summary:	Test Drive Summary	Summary:	Test Drive Summary

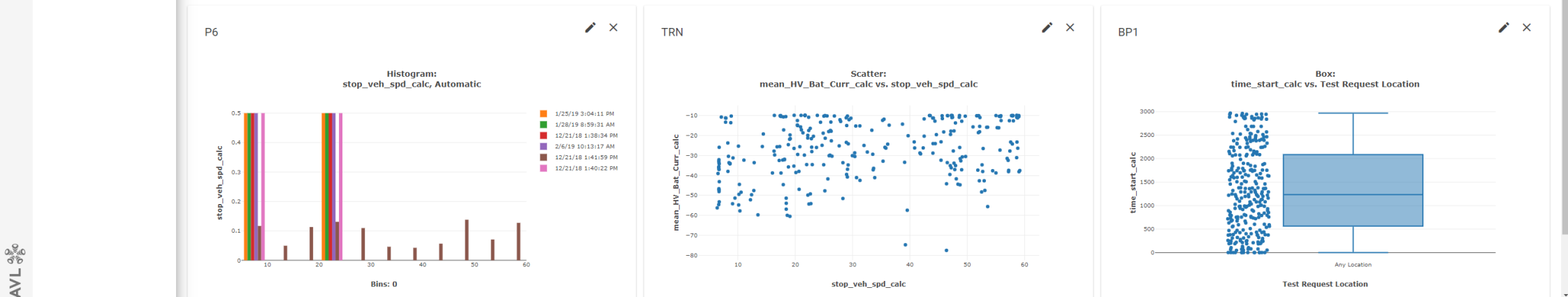
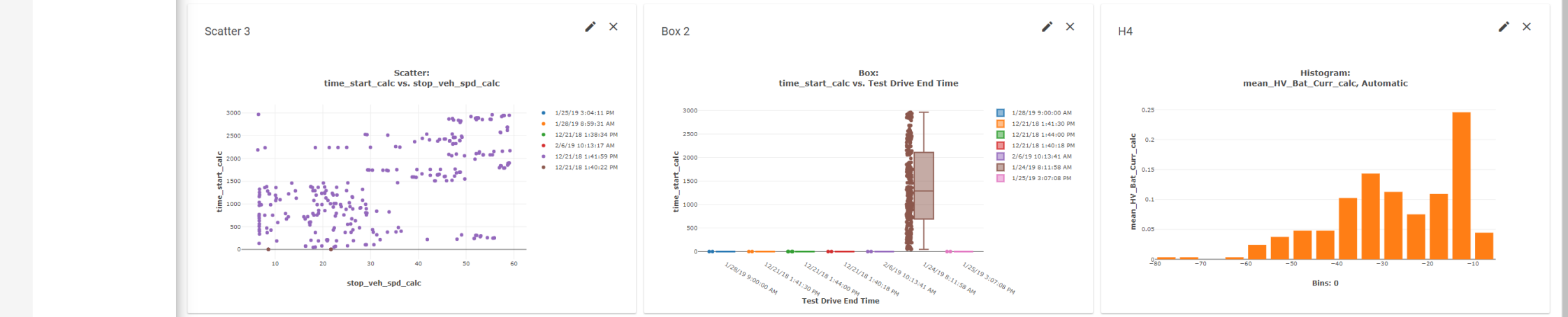
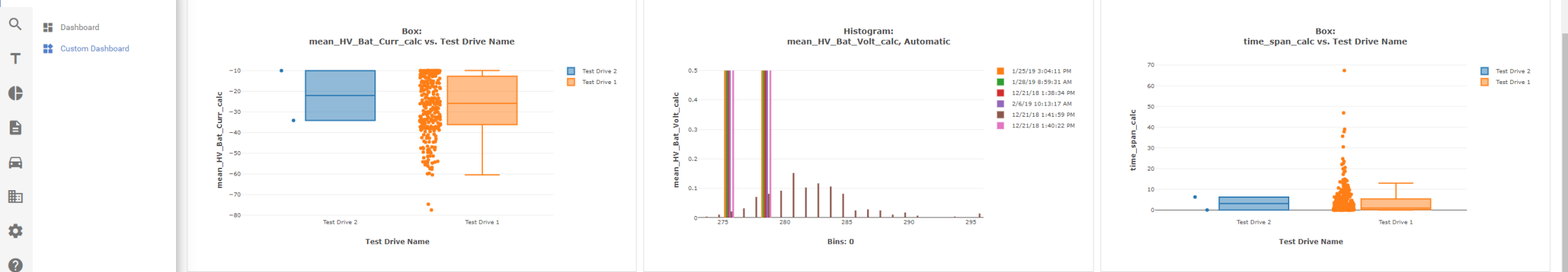
My Activities

Wild Drive-(NEGATIVE) 311561 - Test Drive 1 - WildDrive File 2.mat	Icons: trash, document, download, list
Wild Drive-123457 - Test Drive 1 - WildDrive File 1.mat	Icons: trash, document, download, list
Wild Drive-307226 - Test Drive 1 - WildDrive File 1.mat	Icons: trash, document, download, list
Wild Drive-311561 - Test Drive 1 - datamat_presentation.mat	Icons: trash, document, download, list
Wild Drive-311561 - Test Drive 1 - WildDrive File 2.mat	Icons: trash, document, download, list

Team Activities

Wild Drive-(NEGATIVE) 311561 - Test Drive 1 - WildDrive File 2.mat	Icons: trash, document, download, list
Wild Drive-123457 - Test Drive 1 - WildDrive File 1.mat	Icons: trash, document, download, list
Wild Drive-307226 - Test Drive 1 - WildDrive File 1.mat	Icons: trash, document, download, list
Wild Drive-311561 - Test Drive 1 - datamat_presentation.mat	Icons: trash, document, download, list
Wild Drive-311561 - Test Drive 1 - WildDrive File 2.mat	Icons: trash, document, download, list





Advanced Data Analytics | AVL

Not secure | https://13.81.58.175/#/analytics/plotting

Search

Test User

Advanced Analytics

Large Data

Visualization

Quick Filter

Filters

My files

Save

Save As

Type

N/A

Attribute

N/A

Operation

N/A

Value

Filter Configuration

Type

Metadata

Attribute

Test Drive File User Id

Operation

=

Value

%current_user_id%

Reset Filter

Apply Search

Results

Filtered Results

Global Filter

Filename	Test Drive	Test Request	Valid Data	Actions
☒ WildDrive File 2.mat	Test Drive 1	Wild Drive-(NEGATIVE) 311561	✓	
☐ WildDrive File 1.mat	Test Drive 1	Wild Drive-123457	✓	
☐ WildDrive File 1.mat	Test Drive 1	Wild Drive-307226	✓	
☐ datamat_presentation.mat	Test Drive 1	Wild Drive-311561	✓	
☐ WildDrive File 2.mat	Test Drive 1	Wild Drive-311561	✓	
☐ WildDrive File 1.mat	Test Drive 1	Wild Drive-311561	✓	
☐ Regen Efficiency Calibration - File 1-2.mat	Test Drive 2	Regen Efficiency Calibration-307226	✓	
☐ Regen Efficiency Calibration - File 1-3.mat	Test Drive 1	Regen Efficiency Calibration-307226	✓	

Total Records: 8

Event Type Results

Global Filter

Event Type	Detected Events
Charge_Event	2
Discharge_Event	4
Engine_Charge_Event	0

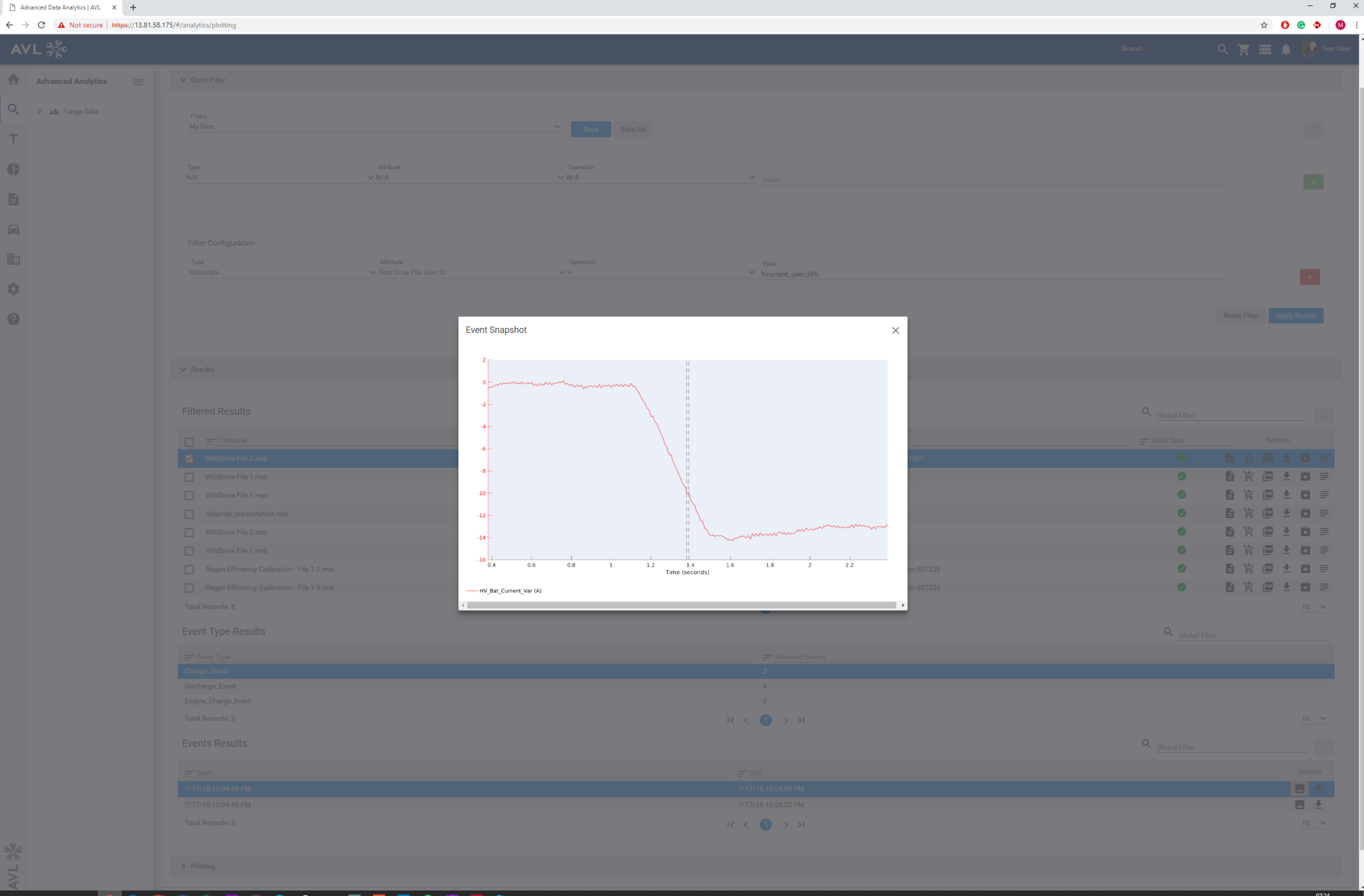
Total Records: 3

Events Results

Global Filter

Start	End	Actions
7/17/18 10:04:56 PM	7/17/18 10:04:56 PM	
7/17/18 10:04:56 PM	7/17/18 10:05:02 PM	

Total Records: 2



☒	WildDrive File 2.mat	Test Drive 1	Wild Drive-(NEGATIVE) 311561	✓					
☐	WildDrive File 1.mat	Test Drive 1	Wild Drive-123457	✓					
☐	WildDrive File 1.mat	Test Drive 1	Wild Drive-307226	✓					
☐	datamat_presentation.mat	Test Drive 1	Wild Drive-311561	✓					
☐	WildDrive File 2.mat	Test Drive 1	Wild Drive-311561	✓					
☐	WildDrive File 1.mat	Test Drive 1	Wild Drive-311561	✓					
☐	Regen Efficiency Calibration - File 1-2.mat	Test Drive 2	Regen Efficiency Calibration-307226	✓					
☐	Regen Efficiency Calibration - File 1-3.mat	Test Drive 1	Regen Efficiency Calibration-307226	✓					

Total Records: 8

1

Event Type Results

Global Filter

Event Type	Detected Events
Charge_Event	2
Discharge_Event	4
Engine_Charge_Event	0

Total Records: 3

1

Events Results

Global Filter

Start	End	Actions
7/17/18 10:04:56 PM	7/17/18 10:04:56 PM	
7/17/18 10:04:56 PM	7/17/18 10:05:02 PM	

Total Records: 2

1

Plotting

Plot Configuration

Data Source: ☒ Search ☐ Shopping Cart

Plot Type

Box Plot

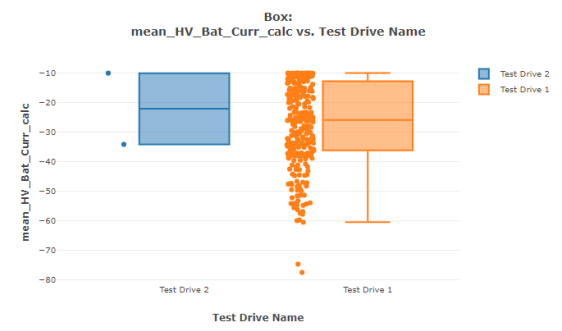
X-Axis: Metadata

Test Drive Name

Y-Axis: KPIs

mean_HV_Bat_Curr_calc

Generate Plot



Advanced Data Analytics | AVL

Not secure | https://13.81.58.175/#/metadataManager/flexibleAttributes

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Test User

AVL

Search

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Metadata Manager

Corporate Level

- Programs
- Vehicle Variants
- Units
- Map Collections
- Regions
- Power Packs
- Drivelines

Application level

- User Teams
- Engine Layouts
- Engine Operations
- Transmissions
- Transmission Modes
- F-Terms
- Map Types
- Vehicle Architectures
- Model Years
- Manufacturers
- Catalyst

User level

- Custom attributes

Custom Attributes

Global Filter

Add

Name	Type	Description	Actions
RoadType	Checkbox (multiple choice)		
Device name 5	System Field	Generated by matlab	
Serial 4	System Field	Generated by matlab	
Strategy 2	System Field		
Cal 6	System Field	Generated by matlab	

Total Records: 35

<1234>

10

Edit attribute 'RoadType'

Name

RoadType

Description

Options

Add

Highway

Avenue

Alley

Road

Living street

Cancel

Update

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AVL

Script Manager

Event Definitions

KPI Definitions

Common Signals

Calculated Signals

Script Library

Events

Name
Charge_Event
Engine_Charge_Event
Discharge_Event
straight

Total Records: 4

Event Details

Charge_Event

Xinwei Hu

Description:
Detects charging events

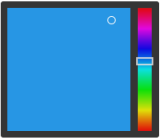
Associated KPIs

KPI Name

Total Records: 0

Event Definition

Select Color:



Selected Color: #2399e5

Select Signal Group:

Selected Signal:

Selected Mappings

#ff0000

HV_Bat_Current_Var

Event Dependency

Available

Search

Charge_Event

Engine_Charge_Event

Discharge_Event

straight

Selected

Search

Matlab Code Snippet

```
function [charge_start_index, charge_stop_index] = Charge_Event(HV_Bat_Current_Var)
    charge_start_index = [];
    charge_stop_index = [];
    thresh = -10;
    for i = 1:length(HV_Bat_Current_Var)-1
        if HV_Bat_Current_Var(i) >= thresh && HV_Bat_Current_Var(i+1) < thresh
            charge_start_index = [charge_start_index,i+1];
        end
    end
    for i = 1:length(charge_start_index)
```

Python Code Snippet

```
def Charge_Event(HV_Bat_Current_Var):
    charge_start_index = []
    charge_stop_index = []
```

Global Filter

Add

Programs

Programs	Actions
XXX, UXXX Gen2, CXXX	
XXX, UXXX Gen2, CXXX	
XXX Gen2, UXXX, CXXX	
mbus_Program	

Nothing to see here yet!
Upload an image that describes the event detection.

Global Filter

Add

Programs

Programs	Actions
----------	---------

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Advanced Data Analytics | AVL

Not secure | https://13.81.58.175/#/scriptsManager/commonSignal

AVL

Test User

Script Manager

Event Definitions

KPI Definitions

Common Signals

Calculated Signals

Script Library

Common Signals

time

HV_Bat_Voltage_Var

HV_Bat_Current_Var

Vehicle_Speed_Var

Engine_Inst_Tq_Var

Engine_Speed_Var

VehicleSpeed

CustomVehicleParameter1

LateralDeviation

Curvature_Road_Trigger

Total Records: 11

HV_Bat_Voltage_Var Signal Aliases

sVcBecm_U_BattTracActl

bcu_v_bat

Total Records: 2

Common Signal

Name

HV_Bat_Voltage_Var

Base Unit

V

Default Sample Time

10ms

Description

battery voltage

Cancel

Save

Signal Aliases

sVcBecm_U_BattTracActl

bcu_v_bat

Vehicle Architecture

HYBRID GEN 1

Default Signal Unit

V

Actions

Total Records: 2

Global Filter

Add

Global Filter

Add

Global Filter

Add

Global Filter

Add

BUILDING SOFTWARE THAT MATTERS

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My Test Requests

> Wild Drive-(NEGATIVE) 311561 (February 6 to N/A)	File icon	Checkmark icon	More icon
> Wild Drive-123457 (January 28 to N/A)	File icon	Checkmark icon	More icon
> Wild Drive-307226 (January 25 to N/A)	File icon	Checkmark icon	More icon
> Wild Drive-311561 (December 21 to N/A)	File icon	Checkmark icon	More icon
▼ Regen Efficiency Calibration-307226 (December 21 to N/A)	File icon	Checkmark icon	More icon

Test Drive 2

Measurement Files

+

Name	Status	Actions
Regen Efficiency Calibration - File 1-2.mat	100%	File icon

Metadata

+

Required (2)

FuelType: RON 95

Soak: Yes

Optional (2)

Weather: N/A

RoadType: Avenue

Upload

Test Drive 1

Measurement Files

+

Name	Status	Actions
Regen Efficiency Calibration - File 1-3.mat	100%	File icon

Metadata

+

Required (2)

FuelType: RON 98

Soak: Yes

Optional (2)

Weather: N/A

RoadType: Highway

Upload

1

Recommendations

Author:	Test User	Author:	Test User	Author:	Test User
Team:	Any Team	Team:	Any Team	Team:	Regen Team
UUT Tag Number:	123457	UUT Tag Number:	307226	UUT Tag Number:	307226
Test Request:	Wild Drive-123457	Test Request:	Wild Drive-307226	Test Request:	Regen Efficiency Calibration-307226
Test Drive:	Test Drive 1	Test Drive:	Test Drive 1	Test Drive:	Test Drive 1
Events Type Similarity:	59.24%	Events Type Similarity:	58.7%	Events Type Similarity:	52.82%
Summary:	Test Drive Summary	Summary:	Test Drive Summary	Summary:	Test Drive Summary

My Activities

Wild Drive-(NEGATIVE) 311561 - Test Drive 1 - WildDrive File 2.mat	File icon	Download icon	More icon
Wild Drive-123457 - Test Drive 1 - WildDrive File 1.mat	File icon	Download icon	More icon
Wild Drive-307226 - Test Drive 1 - WildDrive File 1.mat	File icon	Download icon	More icon
Wild Drive-311561 - Test Drive 1 - datamat_presentation.mat	File icon	Download icon	More icon
Wild Drive-311561 - Test Drive 1 - WildDrive File 2.mat	File icon	Download icon	More icon

Team Activities

Wild Drive-(NEGATIVE) 311561 - Test Drive 1 - WildDrive File 2.mat	File icon	Download icon	More icon
Wild Drive-123457 - Test Drive 1 - WildDrive File 1.mat	File icon	Download icon	More icon
Wild Drive-307226 - Test Drive 1 - WildDrive File 1.mat	File icon	Download icon	More icon
Wild Drive-311561 - Test Drive 1 - datamat_presentation.mat	File icon	Download icon	More icon
Wild Drive-311561 - Test Drive 1 - WildDrive File 2.mat	File icon	Download icon	More icon

