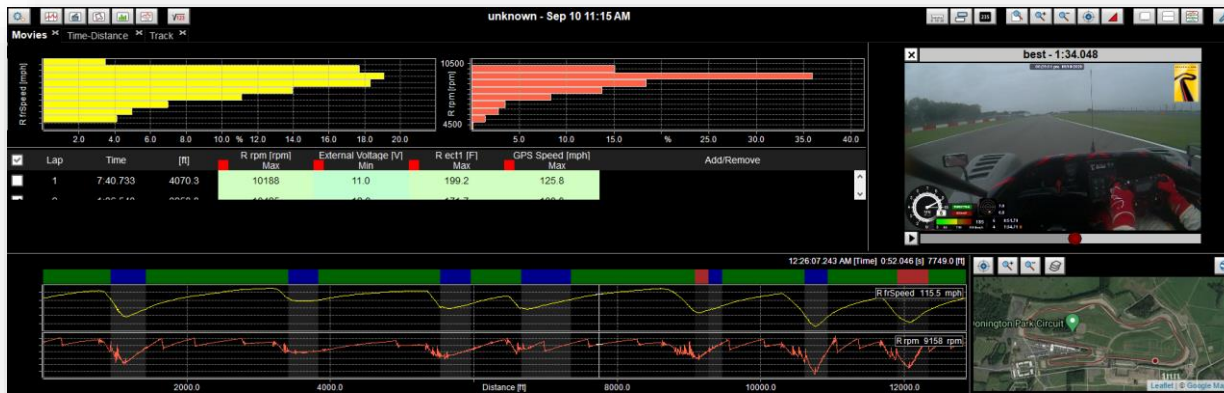




Co-Host:  
James Colborn  
[www.JamesColborn.com](http://www.JamesColborn.com)

# Webinar Series

## Bringing Data Support and Training to You

Determining Your (and Their)  
Data Analysis Learning Styles

2020 Webinar #57

[www.aimsports.com](http://www.aimsports.com)



YouTube

October 13<sup>th</sup>, 2020

1.800.718.9090

colbornjames@hotmail.com

jamescolborn.com



**Co-Host: James Colborn**

- Avid Racer, Motorsports, and SIM Racing Enthusiast
- Producer of AiM Sports “How To” Videos on YouTube (Since 2012)
- Lover of Data Analysis for Driver Development and Coaching
- This is His 5th Time Co-Hosting in this AiM Sports Webinar Series



**[www.aimsports.com](http://www.aimsports.com)**



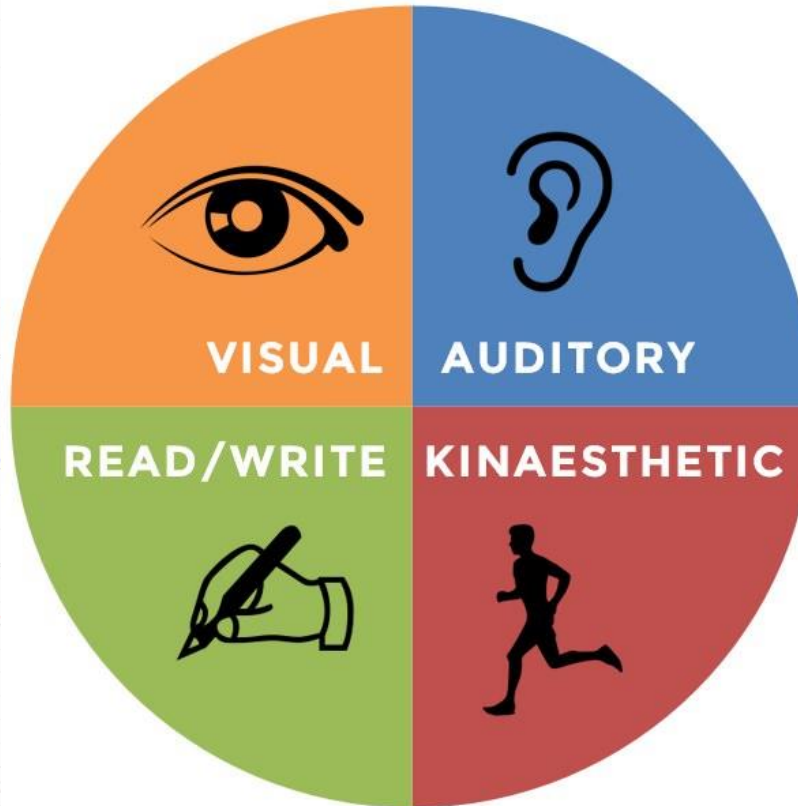
# YouTube

James Colborn

[www.jamescolborn.com](http://www.jamescolborn.com)



# Identifying Your (and Their) Learning Styles



- Watching Video(s)
- Attending Seminars
- *Measures Graphs*
- *Lap Replay*
- *SmartyCam HD*
- *Google Earth Overlay*
- *GPS Maps*
- *LED Predictive Lap*
- Reading Blogs
- Reading Books/Articles
- *Measures Graphs*
- *Channels Report*
- *Split Times Report*
- *Detailed Dash Display*

- Listening to Podcasts
- YouTube Channel(s)
- Mimicking Tutorials
- Hands On with Data

# Which Form of Analysis do You Relate to?

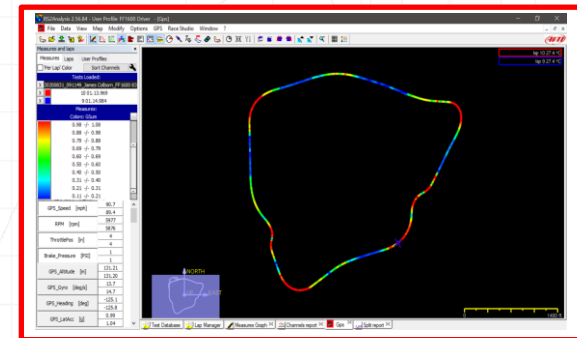
**Measures Graph**



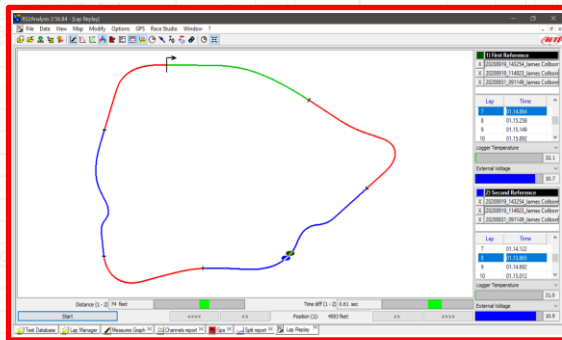
**Channels Report**

A screenshot of the 'Channels Report' window in RS2Analysis. It displays a table with columns for 'Time', 'GPS\_Speed', 'GPS\_Acc', 'GPS\_Heading', 'GPS\_Lat', 'GPS\_Long', 'GPS\_Speed', 'GPS\_Acc', 'GPS\_Heading', 'GPS\_Lat', 'GPS\_Long'. The table contains multiple rows of data, likely representing different laps or segments of a race.

**GPS Map**



**Lap Replay Analysis**



**SmartyCam HD**



**Google Earth**



**Or, Should I Ask, How Many?**

# Mapping Data Analysis to Data Competence

| Measures                            | Laps   | User Profiles |
|-------------------------------------|--------|---------------|
| Per Lap Color                       |        | Sort Channels |
| Tests Loaded:                       |        |               |
| MATHS_Andrew_MuleHT8_VIR_VA_Warm-up |        |               |
| 4 02:11.308                         |        |               |
| Measures:                           |        |               |
| GPS_Speed [mph]                     | 123.4  |               |
| RearDiffCk [%]                      | 0.07   |               |
| ECU_Rpm [rpm]                       | 7062   |               |
| ECU_Pedal_Pos [%]                   | 99.500 |               |
| ECU_Water_T [°F]                    | 198    |               |
| Oil_Temp [°F]                       | 223.0  |               |
| ECU_Lambda [A/F]                    | 0.85   |               |
| ECU_Spark_Adv [deg]                 | 23.50  |               |
| ECU_Intake_Air_T [°F]               | 89.5   |               |
| External Voltage [V]                | 13.0   |               |
| GearRatio [ratio]                   | 1.00   |               |
| LambdaFiltered [I]                  | 0.851  |               |
| Spark_AdvFiltered [deg]             | 23.5   |               |
| OverRev [secs]                      | 0.0    |               |
| OverRevFiltered [secs]              | 0.0    |               |
| ECU_SpeedCheckFilt [diff]           | 2.0    |               |
| AFR [ratio]                         | 12.0   |               |
| AFR_Filt [ratio]                    | 12.0   |               |
| AvgRearWheelSpeed [mph]             | 121.2  |               |
| RPS_Diff [%]                        | 100.0  |               |
| ECU_SpeedCheck [diff]               | 2.0    |               |
| GPS_LatAcc [g]                      | -0.1   |               |
| GPS_LonAcc [g]                      | 0.1    |               |
| GPS_Slope [deg]                     | 0.0    |               |
| InLineAcc [g]                       | -0.1   |               |
| LateralAcc [g]                      | -0.1   |               |
| VerticalAcc [g]                     | -1.0   |               |
| PitchRate [deg/s]                   | -0.0   |               |
| RollRate [deg/s]                    | 0.0    |               |
| YawRate [deg/s]                     | -0.0   |               |
| GPS_PosAccuracy [ft]                | 0.9    |               |
| GPS_Healt [ft]                      | 1.0    |               |
| GPS_Gyro [deg/s]                    | -0.0   |               |
| GPS_Altitude [m]                    | 142.5  |               |
| GPS_SpdAccuracy [ft]                | 0.3    |               |
| GPS_Vib_Count [count]               | 1.0    |               |

COMPETENCE

Lack of awareness

Unconscious Incompetence

Awareness phase

Conscious Incompetence

Step by step phase

Conscious Competence

Skilled phase

Unconscious Competence

TIME

1

- SmartyCam HD
- Lap Replay Analysis
- Basic Measures Graphs
- GPS Map (incl. Google Earth)

2

- SmartyCam HD
- Advanced Measures Graphs
- GPS Map
- Channels Report

3

- SmartyCam HD
- Advanced Measures Graphs
- Math Channels
- GPS Maps
- Channels Reports

# *Live Demonstration*

[www.aimsports.com](http://www.aimsports.com)



YouTube

Determining Your (and Their)

Data Analysis Learning Style



# LearnFast™ E-Training Video

Currently 123 Videos and Growing

 **YouTube** [www.youtube.com/aimdata](http://www.youtube.com/aimdata)



Co-Host:  
James Colborn  
[www.JamesColborn.com](http://www.JamesColborn.com)

## Webinar Series

Bringing Data Support and Training to You

Determining Your (and Their)  
Data Analysis Learning Styles

2020 Webinar #57

October 13<sup>th</sup>, 2020

[www.aimsports.com](http://www.aimsports.com)     **YouTube** 1.800.718.9090



E-Training Series

Support and Training When and Where YOU Want It

Configuring Wi-Fi Communication  
Using Race Studio 3



E-Training Series

Support and Training When and Where YOU Want It

Software Updates  
with Race Studio 3

- All New Bi-Weekly 2020 Webinar Videos
- Software Updates with Race Studio 3
- Pre-Calculated Gear Position Function
- Configuring WiFi Communication
- Customizing AiM Device Logos
- Race Studio 3 Basic Configuration - Part 1
- Race Studio 3 Basic Configuration - Part 2
- *\*I Have Downloaded my Data, Now What - Part 1*
- *\*I Have Downloaded my Data, Now What - Part 2*
- GPS Lap Insert
- Data Views
- Measure Units
- Sort Channels
- Test Properties
- Per Lap Color
- Export Tests
- Channel Reports
- Setting Time
- Track Mapping
- Selection Criteria
- Sensor Calibration
- Conditional Alarms
- Gear Position
- Firmware Update
- Solo Configuration
- Transmit Tracks
- Gps Manager Overview
- New GPS Track
- Webinars

*\* Most Popular and Recommended*

[www.aimsports.com](http://www.aimsports.com)



**YouTube**

Additional Materials

LearnFast™ E-Training Video



RS2Analysis 2.56.84 - [Measures Graph]

File Data View Map Modify Options GPS RaceStudio Window ?

Measures and Laps

Measures Laps User Profiles

Per Lap Color Sort Channels

Tests Loaded:

MATHS\_Andrew\_MuleHT8\_VIR\_VA\_Warm-up

130

4 02:11.3

Measures:

|                         |        |     |
|-------------------------|--------|-----|
| GPS_Speed [km/h]        |        |     |
| RearDiffCk [rpm]        | 7062   | 100 |
| ECU_Rpm [rpm]           | 99.500 |     |
| ECU_Pedal_Pos [%]       |        |     |
| ECU_Water_T [°F]        |        |     |
| Oil_Temp [°F]           | 0.85   |     |
| ECU_Lambda [A/F]        |        |     |
| ECU_Spark_Adv [deg]     |        |     |
| ECU_Intake_Air_T [°F]   |        |     |
| External_Voltage [V]    | 13.0   |     |
| GearRatio [ratio]       | 1.00   |     |
| LambdaFiltered []       | 0.851  | 60  |
| Spark_AdvFiltered [deg] | 23.50  |     |

1 - MATHS\_Andrew\_MuleHT8\_VIR\_VA\_Warm-up

distance base

time 0:11.368 dist 1301.6 feet

123.4

# Customer Support

**AiM Sports technical support staff regularly attend races and other events**

**Call us at 1-800-718-9090 and Look for us at a track near you!**

[www.aimsports.com](http://www.aimsports.com)

 YouTube

Customer Support

At an Event Near You!



# Next Webinar

Thursday Oct 15<sup>th</sup>, 2020

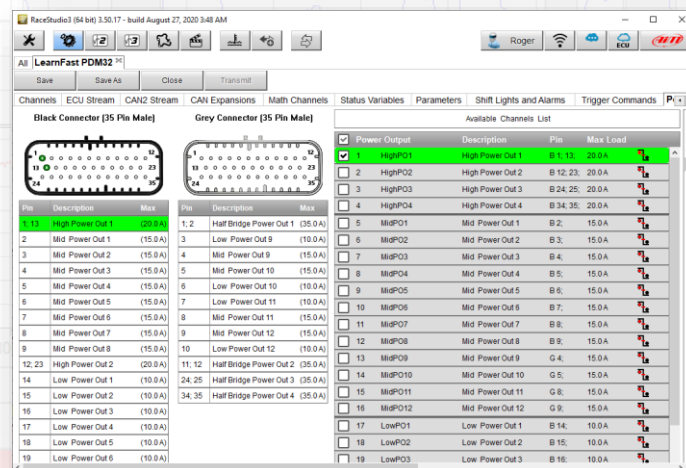
10:00am Pac / 1:00pm East



Co-Host  
Fabrizio Rizzi  
AiM Sportline - Italy



## AiM Sports PDM – Update #2 Power Distribution Module



[www.aimsports.com](http://www.aimsports.com)

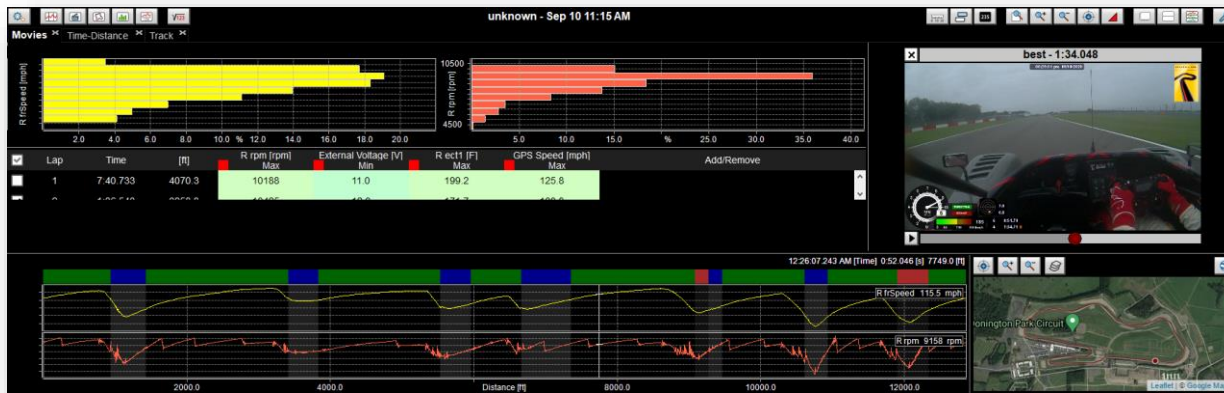


YouTube

Next Webinar Topic

AiM Sports PDM – Update #2





## Contact Info

**Roger Caddell**

roger@aimsports.com

**James Colborn**

colbornjames@hotmail.com

**LearnFast™**  **YouTube** [www.youtube.com/aimdata](http://www.youtube.com/aimdata)

 @aimsports

 facebook.com/aimsports

 @aimsportsdata

2020 Webinar #57

**October 13<sup>th</sup>, 2020**

**[www.aimsports.com](http://www.aimsports.com)**



**YouTube**

**1.800.718.9090**