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DEFINE
    MEASURE 'FB_Catapult_Activity_Summary'[AverageSum_70+Distance] = VAR SelectedDates
= VALUES (FB_Catapult_Date[activity_date])
VAR AthleteSums =
    SUMMARIZE (
        FB_Catapult_Activity_Summary,
        FB_Catapult_Athletes[uid],
        "AthleteSum",
        CALCULATE (
            SUM(FB_Catapult_Activity_Summary[70+_distance]),
            FB_Catapult_Activity_Summary[activity_date] IN SelectedDates
        )
    )
RETURN
AVERAGEX (AthleteSums, [AthleteSum])
    MEASURE 'FB_Catapult_Activity_Summary'[AverageSum_85+Distance] = VAR SelectedDates
= VALUES (FB_Catapult_Date[activity_date])
VAR AthleteSums =
    SUMMARIZE (
        FB_Catapult_Activity_Summary,
        FB_Catapult_Athletes[uid],
        "AthleteSum",
        CALCULATE (
            SUM(FB_Catapult_Activity_Summary[85+_distance]),
            FB_Catapult_Activity_Summary[activity_date] IN SelectedDates
        )
    )
RETURN
AVERAGEX (AthleteSums, [AthleteSum])
    MEASURE 'FB_Catapult_Activity_Summary'[AverageSum_70+Efforts] = VAR SelectedDates =
VALUES (FB_Catapult_Date[activity_date])
VAR AthleteSums =
    SUMMARIZE (
        FB_Catapult_Activity_Summary,
        FB_Catapult_Athletes[uid],
        "AthleteSum",
        CALCULATE (
            SUM(FB_Catapult_Activity_Summary[70+_efforts]),
            FB_Catapult_Activity_Summary[activity_date] IN SelectedDates
        )
    )
RETURN

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AVERAGEX(AthleteSums, [AthleteSum])
    MEASURE 'FB_Catapult_Activity_Summary'[AverageSum_85+Efforts] = VAR SelectedDates =
VALUES(FB_Catapult_Date[activity_date])
VAR AthleteSums =
    SUMMARIZE(
        FB_Catapult_Activity_Summary,
        FB_Catapult_Athletes[uid],
        "AthleteSum",
        CALCULATE(
            SUM(FB_Catapult_Activity_Summary[85+_efforts]),
            FB_Catapult_Activity_Summary[activity_date] IN SelectedDates
        )
    )
RETURN
AVERAGEX(AthleteSums, [AthleteSum])
    MEASURE 'FB_Catapult_Activity_Summary'[AverageSum_HiAccelEfforts] = VAR
SelectedDates = VALUES(FB_Catapult_Date[activity_date])
VAR AthleteSums =
    SUMMARIZE(
        FB_Catapult_Activity_Summary,
        FB_Catapult_Athletes[uid],
        "AthleteSum",
        CALCULATE(
            SUM(FB_Catapult_Activity_Summary[Hi_Accels_Efforts]),
            FB_Catapult_Activity_Summary[activity_date] IN SelectedDates
        )
    )
RETURN
AVERAGEX(AthleteSums, [AthleteSum])
    MEASURE 'FB_Catapult_Activity_Summary'[AverageSum_HiDecelEfforts] = VAR
SelectedDates = VALUES(FB_Catapult_Date[activity_date])
VAR AthleteSums =
    SUMMARIZE(
        FB_Catapult_Activity_Summary,
        FB_Catapult_Athletes[uid],
        "AthleteSum",
        CALCULATE(
            SUM(FB_Catapult_Activity_Summary[Hi_Decels_Efforts]),
            FB_Catapult_Activity_Summary[activity_date] IN SelectedDates
        )
    )
RETURN

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AVERAGEX(AthleteSums, [AthleteSum])
    MEASURE 'FB_Catapult_Activity_Summary'[AverageSum_30+Distance] = VAR SelectedDates
= VALUES(FB_Catapult_Date[activity_date])
VAR AthleteSums =
    SUMMARIZE(
        FB_Catapult_Activity_Summary,
        FB_Catapult_Athletes[uid],
        "AthleteSum",
        CALCULATE(
            SUM(FB_Catapult_Activity_Summary[30+_distance]),
            FB_Catapult_Activity_Summary[activity_date] IN SelectedDates
        )
    )
RETURN
AVERAGEX(AthleteSums, [AthleteSum])
    MEASURE 'FB_Catapult_Activity_Summary'[AverageSum_ExplosiveEfforts] = VAR
SelectedDates = VALUES(FB_Catapult_Date[activity_date])
VAR AthleteSums =
    SUMMARIZE(
        FB_Catapult_Activity_Summary,
        FB_Catapult_Athletes[uid],
        "AthleteSum",
        CALCULATE(
            SUM(FB_Catapult_Activity_Summary[Explosive_efforts_total]),
            FB_Catapult_Activity_Summary[activity_date] IN SelectedDates
        )
    )
RETURN
AVERAGEX(AthleteSums, [AthleteSum])
    MEASURE 'FB_Catapult_Activity_Summary'[Max speed-past 7 days] = CALCULATE(
        //Select the max speed
        MAX(FB_Catapult_Activity_Summary[max_vel]),
        //Filter by Dates in period**right now there are no periods like summer 1 or fall 2
        DATESINPERIOD(
            FB_Catapult_Date[activity_date], //<dates>when periods are created change this
            to that column
            MAX(FB_Catapult_Date[activity_date]), -7, DAY), //Finds max date which should
            be a sinle filtered day and Selects past 7 days
            FB_Catapult_Activity_Summary[max_vel] < 24 //max velocity filter
        )
    MEASURE 'FB_Catapult_Activity_Summary'[MAX Max Speed-IF] = CALCULATE(
        //Select the max vel

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MAX(FB_Catapult_Activity_Summary[max_vel]),
//CHANGE to desired most recent date
FILTER(
    ALL(FB_Catapult_Date),
    FB_Catapult_Date[activity_date] >= DATE(2024,3,1)
),
//Filter where vel is less than 25
FB_Catapult_Activity_Summary[max_vel]<25
)

MEASURE 'FB_Catapult_Activity_Summary'[7-day Max % of Max Speed] = DIVIDE([Max
speed-past 7 days],[MAX Max Speed-IF])

MEASURE 'FB_Catapult_Activity_Summary'[%Max Speed] = DIVIDE([MAX Max
Speed-Daily],[MAX Max Speed-IF])

MEASURE 'FB_Catapult_Activity_Summary'[MAX Max Speed-Daily] =
CALCULATE(MAX(FB_Catapult_Activity_Summary[max_vel]),FILTER(VALUES(FB_Catapult_Activit
y_Summary),FB_Catapult_Activity_Summary[activity_date]),FB_Catapult_Activity_Summary[m
ax_vel]<24)

MEASURE 'FB_Catapult_Activity_Summary'[Max_%MS] = 1

MEASURE 'FB_Catapult_Activity_Summary'[AverageSum_TotalDistance] = VAR
SelectedDates = VALUES(FB_Catapult_Date[activity_date])
VAR AthleteSums =
SUMMARIZE(
    FB_Catapult_Activity_Summary,
    FB_Catapult_Athletes[uid],
    "AthleteSum",
    CALCULATE(
        SUM(FB_Catapult_Activity_Summary[total_distance]),
        FB_Catapult_Activity_Summary[activity_date] IN SelectedDates
    )
)

RETURN
AVERAGEX(AthleteSums, [AthleteSum])

MEASURE 'FB_Catapult_Activity_Summary'[AvgTotalDistance] = AVERAGEX(
VALUES(FB_Catapult_Activity_Summary[athlete_id]),
CALCULATE(SUM(FB_Catapult_Activity_Summary[total_distance])))

MEASURE 'FB_Catapult_Activity_Summary'[AvgTotalDecel] = AVERAGEX(
VALUES(FB_Catapult_Activity_Summary[athlete_id]),
CALCULATE(SUM(FB_Catapult_Activity_Summary[Hi_Decels_Efforts])))

MEASURE 'FB_Catapult_Activity_Summary'[AvgTotalAccel] = AVERAGEX(
VALUES(FB_Catapult_Activity_Summary[athlete_id]),

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    CALCULATE(SUM(FB_Catapult_Activity_Summary[Hi_Accels_Efforts]))
)
    MEASURE 'FB_Catapult_Activity_Summary'[AvgTotal70+Efforts] = AVERAGEX(
    VALUES(FB_Catapult_Activity_Summary[athlete_id]),
    CALCULATE(SUM(FB_Catapult_Activity_Summary[70+_efforts])))
)
    MEASURE 'FB_Catapult_Activity_Summary'[AvgTotal85+Efforts] = AVERAGEX(
    VALUES(FB_Catapult_Activity_Summary[athlete_id]),
    CALCULATE(SUM(FB_Catapult_Activity_Summary[85+_efforts])))
)
    MEASURE 'FB_Catapult_Activity_Summary'[AvgTotal70+Dist] = AVERAGEX(
    VALUES(FB_Catapult_Activity_Summary[athlete_id]),
    CALCULATE(SUM(FB_Catapult_Activity_Summary[70+_distance])))
)
    MEASURE 'FB_Catapult_Activity_Summary'[AvgTotal85+Dist] = AVERAGEX(
    VALUES(FB_Catapult_Activity_Summary[athlete_id]),
    CALCULATE(SUM(FB_Catapult_Activity_Summary[85+_distance])))
)
    MEASURE 'FB_Catapult_Activity_Summary'[AvgTotal30+Dist] = AVERAGEX(
    VALUES(FB_Catapult_Activity_Summary[athlete_id]),
    CALCULATE(SUM(FB_Catapult_Activity_Summary[30+_distance])))
)
    MEASURE 'FB_Catapult_Activity_Summary'[AvgTotalExplosiveEfforts] = AVERAGEX(
    VALUES(FB_Catapult_Activity_Summary[athlete_id]),
    CALCULATE(SUM(FB_Catapult_Activity_Summary[Explosive_efforts_total])))
)

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EVALUATE

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SUMMARIZECOLUMNS (
    "AverageSum_70+Distance", [AverageSum_70+Distance],
    "AverageSum_85+Distance", [AverageSum_85+Distance],
    "AverageSum_70+Efforts", [AverageSum_70+Efforts],
    "AverageSum_85+Efforts", [AverageSum_85+Efforts],
    "AverageSum_HiAccelEfforts", [AverageSum_HiAccelEfforts],
    "AverageSum_HiDecelEfforts", [AverageSum_HiDecelEfforts],
    "AverageSum_30+Distance", [AverageSum_30+Distance],
    "AverageSum_ExplosiveEfforts", [AverageSum_ExplosiveEfforts],
    "Max speed-past 7 days", [Max speed-past 7 days],
    "MAX Max Speed-IF", [MAX Max Speed-IF],
    "7-day Max % of Max Speed", [7-day Max % of Max Speed],
    "%Max Speed", [%Max Speed],
    "MAX Max Speed-Daily", [MAX Max Speed-Daily],

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"Max_%MS", [Max_%MS],  
"AverageSum_TotalDistance", [AverageSum_TotalDistance],  
"AvgTotalDistance", [AvgTotalDistance],  
"AvgTotalDecel", [AvgTotalDecel],  
"AvgTotalAccel", [AvgTotalAccel],  
"AvgTotal70+Efforts", [AvgTotal70+Efforts],  
"AvgTotal85+Efforts", [AvgTotal85+Efforts],  
"AvgTotal70+Dist", [AvgTotal70+Dist],  
"AvgTotal85+Dist", [AvgTotal85+Dist],  
"AvgTotal30+Dist", [AvgTotal30+Dist],  
"AvgTotalExplosiveEfforts", [AvgTotalExplosiveEfforts]
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)