**Sleep Disorder Analysis Dashboard**

**DAX Formulas**

**Average\_Sleep\_Duration\_of\_ SleepApena**

Average\_Sleep\_Duration\_of\_SleepApena =

 CALCULATE(

    AVERAGE(SleepDisorder\_Dataset[Sleep Duration (hours)]),

    FILTER(SleepDisorder\_Dataset,SleepDisorder\_Dataset[Sleep Disorder] = "Sleep Apnea")

 )

**AverageSleepDurationof\_Insomnia**

AverageSleepDurationof\_Insomnia =

CALCULATE(

    AVERAGE(SleepDisorder\_Dataset[Sleep Duration (hours)]),

    FILTER(SleepDisorder\_Dataset,SleepDisorder\_Dataset[Sleep Disorder] = "Insomnia")

)

**AvgQStressLevel\_Insomnia**

AvgQStressLevel\_Insomnia =

CALCULATE(

    AVERAGE(SleepDisorder\_Dataset[Stress Level (scale: 1-10)]),

    FILTER(

        SleepDisorder\_Dataset,

        SleepDisorder\_Dataset[Sleep Disorder] = "Insomnia")

)

**AvgQStressLevel\_SleepApnea**

AvgQStressLevel\_SleepApnea =

CALCULATE(

    AVERAGE(SleepDisorder\_Dataset[Stress Level (scale: 1-10)]),

    FILTER(

        SleepDisorder\_Dataset,

        SleepDisorder\_Dataset[Sleep Disorder] = "Sleep Apnea")

)

**AvgQualitySleep\_Insomnia**

AvgQualitySleep\_Insomnia =

CALCULATE(

    AVERAGE(SleepDisorder\_Dataset[Quality of Sleep (scale: 1-10)]),

    FILTER(

        SleepDisorder\_Dataset,

        SleepDisorder\_Dataset[Sleep Disorder] = "Insomnia"

    )

)

**AvgQualitySleep\_Sleepapnea**

AvgQualitySleep\_Sleepapnea =

CALCULATE(

    AVERAGE(SleepDisorder\_Dataset[Quality of Sleep (scale: 1-10)]),

    FILTER(

        SleepDisorder\_Dataset,

        SleepDisorder\_Dataset[Sleep Disorder] = "Sleep Apnea"

    )

)

**Insomnia\_count**

Insomnia\_count = CALCULATE(COUNTROWS(SleepDisorder\_Dataset),SleepDisorder\_Dataset[Sleep Disorder] = "Insomnia")

**Insomnia\_Percentage**

Insomnia\_Percentage =

 DIVIDE(

    CALCULATE(

        COUNTROWS(SleepDisorder\_Dataset),

        FILTER(SleepDisorder\_Dataset,SleepDisorder\_Dataset[Sleep Disorder] = "Insomnia")

    ),

        COUNTROWS(SleepDisorder\_Dataset),

        0

 )

**NoSleepDisorderCount**

NoSleepDisorderCount = CALCULATE(

    COUNTROWS(SleepDisorder\_Dataset),

    FILTER(SleepDisorder\_Dataset,SleepDisorder\_Dataset[Sleep Disorder] = "None"

    )    )

**Sleep\_Apnea\_Percentage**

Sleep\_Apnea\_Percentage =

 DIVIDE(

    CALCULATE(

        COUNTROWS(SleepDisorder\_Dataset),

        FILTER(SleepDisorder\_Dataset,SleepDisorder\_Dataset[Sleep Disorder] = "Sleep Apnea")

    ),

        COUNTROWS(SleepDisorder\_Dataset),

        0

 )

**SleepApnea\_Count**

SleepApnea\_Count = CALCULATE(COUNTROWS(SleepDisorder\_Dataset), SleepDisorder\_Dataset[Sleep Disorder] = "Sleep Apnea")

**SleepDisorderCount**

SleepDisorderCount =

 CALCULATE(

    COUNTROWS(SleepDisorder\_Dataset),

    FILTER(SleepDisorder\_Dataset,SleepDisorder\_Dataset[Sleep Disorder] <> "None")

 )

**SleepDisorderPercentage**

SleepDisorderPercentage =

DIVIDE(

    CALCULATE(

        COUNTROWS(SleepDisorder\_Dataset),

        FILTER(SleepDisorder\_Dataset,SleepDisorder\_Dataset[Sleep Disorder] <> "None")

    ),

        COUNTROWS(SleepDisorder\_Dataset),

        0

)

**SleepScoreOfInsomnia**

SleepScoreOfInsomnia =

AVERAGEX(

    FILTER(

        SleepDisorder\_Dataset,

        SleepDisorder\_Dataset[Sleep Disorder] = "Insomnia"

    ),

    (SleepDisorder\_Dataset[Sleep Duration (hours)] / 8 \* 40) +

    (SleepDisorder\_Dataset[Quality of Sleep (scale: 1-10)] / 10 \* 40) +

    ((10 - SleepDisorder\_Dataset[Stress Level (scale: 1-10)]) / 10 \* 20)

)

**SleepScoreOfSleepApena**

SleepScoreOfSleepApena =

AVERAGEX(

    FILTER(

        SleepDisorder\_Dataset,

        SleepDisorder\_Dataset[Sleep Disorder] = "Sleep Apnea"

    ),

    (SleepDisorder\_Dataset[Sleep Duration (hours)] / 8 \* 40) +

    (SleepDisorder\_Dataset[Quality of Sleep (scale: 1-10)] / 10 \* 40) +

    ((10 - SleepDisorder\_Dataset[Stress Level (scale: 1-10)]) / 10 \* 20)

)