TRISKELE

Tech Spec: Matrix

Microsoft PowerBI Custom Visual

Wireframes: Basic

Hours	Steps
12:00 AM – 1:00 AM CST	26
8:00 AM – 9:00 AM CST	125
10:00 AM – 11:00 AM CST	300
2:00 PM – 3:00 PM CST	303
8:00 PM – 9:00 PM CST	405

Note: *Need the ability to make row a measure with a grouping (e.g., episode ID)*

Wireframes: Summary

Date & Time	Heart Rate
Sat, Oct 16, 2021	**54 – 165**
12:59:45 AM CST	54
01:55:30 AM CST	60
02:55:45 AM CST	58
03:45:55 AM CST	56
03:46:56 AM CST	57

Note: *Need the ability to make row a measure with a grouping (e.g., episode ID)*

Wireframes: Banded Rows

Date	Heart Rate
⊞ **Fri, Oct 15, 2021**	**50 – 150**
⊟ **Sat, Oct 16, 2021**	**55 – 165**
12:59:45 AM CST	54
01:55:30 AM CST	60
02:55:45 AM CST	58
03:45:55 AM CST	56
03:46:56 AM CST	57

Wireframes: Expanded

Date & Time ⩰	Steps ⩰
➕ **Fri, Oct 15, 2021**	**3,000**
➖ **Sat, Oct 16, 2021**	**3,000**
12:05 AM – 12:06 AM CST	26
12:28 AM – 12:38 AM CST	125
12:42 AM – 12:55 AM CST	300
8:42 AM – 8:55 AM CST	303
1:00 PM – 1:05 PM CST	405

Date & Time	Heart Rate (bpm)
⌄ **Fri, Oct 15, 2021**	**50 – 150**
⌃ **Sat, Oct 16, 2021**	**55 – 165**
12:59:45 AM CST	54
01:55:30 AM CST	60
02:55:45 AM CST	58
03:45:55 AM CST	56
03:46:56 AM CST	57

Note: *Ability to choose icon for expansion (i.e., +/-, up / down arrow)*

+ Date & Time ≡	Kilocalories (kcal)
+ Fri, Oct 15, 2021	3,000
− Sat, Oct 16, 2021	3,000
12:05 PM CST Turkey Sandwich with Cheddar Cheese and Lettuce | 1 serving	200
12:10 PM CST Fruit Smoothie | 8 Fl. Oz.	125
03:10 PM CST Pretzel Chips | 20 Chips	100
03:10 PM CST Plain Hummus | 5 Oz.	100

+ Date & Time ≡	Kilocalories (kcal)
+ Fri, Oct 15, 2021	3,000
− Sat, Oct 16, 2021	3,000
− 12:00 PM – 01:00 PM CST	325
12:05 PM CST Turkey Sandwich with Cheddar Cheese and Lettuce | 1 serving	200
12:10 PM CST Fruit Smoothie | 8 Fl. Oz.	125
+ 03:00 PM – 04:00 PM CST	200

Note: *Need ability to make the entire left column control expansion and only value(s) leads to selection*

Date ☰	Blood Pressure (mmHg)
➕ **Fri, Oct 15, 2021**	**120-115 / 80-75**
➖ **Sat, Oct 16, 2021**	**120-110 / 80-70**
12:59:45 AM CST	120 / 80
01:55:30 AM CST	110 / 75
02:55:45 AM CST	111 / 78
03:45:55 AM CST	120 / 80
03:46:56 AM CST	115 / 70

Wireframes: Added Columns

Option 1: Value First

Date ☰	Kilocalories (kcal)			
	Morning	Afternoon	Evening	Total
Fri, Oct 15, 2021	300	400	500	**1,200**
Sat, Oct 16, 2021	250	500	600	**1,350**
Sun, Oct 17, 2021	300	400	500	**1,200**
Mon, Oct 18, 2021	250	500	600	**1,350**
Tue, Oct 19, 2021	300	400	500	**1,200**
Wed, Oct 20, 2021	250	500	600	**1,350**
Thu, Oct 21, 2021	300	400	500	**1,200**

Note: *Ability to choose if the value or column is first in the hierarchy*

Wireframes: Added Columns

Option 2: Group First

Date ≣	Morning		Afternoon		Total	
	Calories	Protein	Calories	Protein	Calories	Protein
Fri, Oct 15, 2021	300	50	500	50	800	100
Sat, Oct 16, 2021	250	40	600	60	850	100
Sun, Oct 17, 2021	300	50	500	50	800	100
Mon, Oct 18, 2021	250	40	600	60	850	100
Tue, Oct 19, 2021	300	50	500	50	800	100
Wed, Oct 20, 2021	250	40	600	60	850	100
Thu, Oct 21, 2021	300	50	500	50	800	100

Note: Ability to choose if the value or column is first in the hierarchy

Wireframes: Selected Rows

Date	Steps
+ Fri, Oct 15, 2021	3,000
− Sat, Oct 16, 2021	3,000
12:05 AM – 12:06 AM CST	26
12:28 AM – 12:38 AM CST	125
12:42 AM – 12:55 AM CST	300
8:42 AM – 8:55 AM CST	303
1:00 PM – 1:05 PM CST	405

Date	Heart Rate
+ Fri, Oct 16, 2021	50 – 150
− Sat, Oct 15, 2021	55 – 165
12:59:45 AM CST	54
01:55:30 AM CST	60
02:55:45 AM CST	58
03:45:55 AM CST	56
03:46:56 AM CST	57

Note: *Ability for selected row to go to the top of the matrix based on settings*

Control Zones

Expand / Collapse All Zone

"Sort by" Zone

"Sort by" Zone

Expand / Collapse Row Zone

Selection and Interaction Zone

Date & Time	Kilocalories (kcal)
Fri, Oct 15, 2021	**3,000**
Sat, Oct 16, 2021	**3,000**
12:05 PM CST Turkey Sandwich with Cheddar Cheese and Lettuce | 1 serving	200
12:10 PM CST Fruit Smoothie | 8 Fl. Oz.	125
03:10 PM CST Pretzel Chips | 20 Chips	100
03:10 PM CST Plain Hummus | 5 Oz.	100

Field(s)	• **Row(s):** Allow Multiple Items *(Required)* – order of data determines hierarchy • **Group Rows By:** Allow Single Item *(Not Required)* • **Row Details:** Allow Single Item *(Not Required)*	• **Column(s):** Allow Multiple Items *(Not Required)* – order of data determines hierarchy • **Value(s):** Allow Multiple Items *(Required)* – order of data determines hierarchy • **Unit(s):** Allow Multiple Items *(Not Required)*

General Settings

1. Properties
Size
- Width: Default – 280 px
- Height: Default – 280 px

Position
- X Position: Default – 10
- Y Position: Default – 0

Advanced Options
- Maintain Layer Order: Default – Off
- Responsive: Default – Off

2. Title
- Title: Default – On
- Title Text: Default – Value
- Title Heading: Default – Heading 3
- Font: Default – DIN
- Font Size: Default – 14
- Bold: Default – Off
- Italic: Default – Off
- Underline: Default – Off
- Text Color: Default – #252423
- Background Color: Default – #ffffff
- Horizontal Alignment: Default – Left Justified
- Text Wrap: Default – On

Date & Time	Heart Rate
Sat, Oct 16, 2021	**54 – 165**
12:59:45 AM CST	54
01:55:30 AM CST	60
02:55:45 AM CST	58
03:45:55 AM CST	56
03:46:56 AM CST	57

3. Effects
Background
- Background: Default – On
- Color: Default – #ffffff
- Transparency: Default – 0%

Visual Border
- Visual Border: Default – Off
- Color: Default – #000000
- Rounded Corners: Default – 0 px

Shadow
- Shadow: Default - Off
- Color: Default – #252423
- Offset: Default – Outside
- Position: Default – Bottom Right
  - Custom
    - Size: Default – 3 px
    - Blur: Default – 10 px
    - Angle: Default – 45 deg
    - Distance: Default – 10 px
    - Transparency: Default – 70 px

4. Header Icons
Colors
- Header Icons: Default – On
- Background: Default – #ffffff
- Border: Default – #ffffff
- Icon: Default – #333333
- Transparency: Default – 0%

Icons
- Visual Information: Default – On
- Visual Warning: Default – On
- Visual Error: Default – On
- Drill On Dropdown: Default – On
- Drill Up: Default – On
- Drill Down: Default – On
- Show Next Level: Default – On
- Expand to Next Level: Default – On
- Pin: Default – On
- Focus Mode: Default – On
- See Data Layout: Default – On
- More Options: Default – On
- Filter: Default – On
- Help Tooltip: Default – On
- Comment Button: Default – On
- Copy Icon: Default – On

5. Alt Text
- Alt Text: Default – None

Visual Settings

Date & Time	Heart Rate
Sat, Oct 16, 2021	**54 – 165**
12:59:45 AM CST	54
01:55:30 AM CST	60
02:55:45 AM CST	58
03:45:55 AM CST	56
03:46:56 AM CST	57

2

1. Properties
Background
- Background: Default – On
- Fill Color: Default – #fafafa
- Fill Opacity: Default – 100% (Options: 0% - 100%)
- Radius Top-Left: Default – 5 px (Options: 0 px – 20 px)
- Radius Top-Right: Default – 5 px (Options: 0 px – 20 px)
- Radius Bottom-Left: Default – 5 px (Options: 0 px – 20 px)
- Radius Bottom-Right: Default – 5 px (Options: 0 px – 20 px)
- Outline Left: Default – Off
- Outline Right: Default – Off
- Outline Top: Default – Off
- Outline Bottom: Default – Off
- Outline Color: Default – #8c9093
- Outline Thickness: Default – 2 px (Options: 0 px – 5 px)

Horizontal Gridlines
- Horizontal Gridlines: Default – On
- Color: Default – #8c9093
- Thickness: Default – 2 px (Options: 0 px – 5 px)

Vertical Gridlines
- Vertical Gridlines: Default – Off
- Color: Default – #8c9093
- Thickness: Default – 2 px (Options: 0 px – 5 px)

2. Rows
General
- Padding: Default – 2 px (Options: 0 px – 10 px)

Banded Row
- Fill: Default – Off
- Fill Color: Default – #d9dadb
- Fill Opacity: Default – 100%

Font
- Word Wrap: Default – On
- Horizontal Position: Default – Left (Options: Left; Center; Right)
- Vertical Position: Default – Middle (Options: Top; Middle; Bottom)
- Step Indentation: Default – 3 px (Options: 0 px - 10 px)
- Font Family: Default – Segoe UI
- Size: Default – 10 pt
- Color: Default – #000000
- Bold: Default – Off
- Italic: Default – Off
- Underline: Default – Off

Expand/Collapse
- Expand/Collapse: Default – Off
- Icon Type: Default – Chevron (Options: Chevron; +/-)
- Icon Size: Default – 5 px (0 px – 30 px)
- Icon Color: Default - #ffffff
- Rectangle Fill Color: Default – #00458f
- Rectangle Outline Color: Default – #00458f
- Rectangle Outline Thickness: Default – 2 px (0 px – 5 px)

2. Rows Continued
Row Details
- Row Details: Default – Off
- Word Wrap: Default – On
- Horizontal Position: Default – Left (Options: Left; Center; Right)
- Vertical Position: Default – Middle (Options: Top; Middle; Below)
- Step Indentation: Default – 3 px (Options: 0 px – 10 px)
- Font Family: Default – Segoe UI
- Size: Default – 10 pt
- Color: Default – #000000
- Bold: Default – Off
- Italic: Default – Off
- Underline: Default – Off

Selected
- Selection Interaction: Default – On
- Type: Default – Highlight & Move To Top (Options: Highlight Only; Move To Top Only; Highlight & Move To Top)
- Fill Color: Default – #00458f
- Fill Opacity: Default – 50% (Options: 0% - 100%)
- Rectangle Radius: Default – 5 px (Options: 0 px – 20 px)
- Outline: Default – On
- Outline Color: Default – #00244a
- Outline Thickness: Default – 2 px (Options: 0 px – 5 px)

Visual Settings ③

Date & Time	Heart Rate
Sat, Oct 16, 2021	**54 – 165** ④
12:59:45 AM CST	54
01:55:30 AM CST	60
02:55:45 AM CST	58
03:45:55 AM CST	56
03:46:56 AM CST	57

3. Columns

General
- Row Padding: Default – 2 px (Options: 0 px – 10 px)
- Column Width: Default – Auto (Options: 0 px – infinity)
- Column Before Value: Default – Off

Font
- Word Wrap: Default – On
- Horizontal Position: Default – Left (Options: Left; Center; Right)
- Vertical Position: Default – Middle (Options: Top; Middle; Bottom)
- Font Family: Default – Segoe UI
- Size: Default – 10 pt
- Color: Default – #000000
- Bold: Default – Off
- Italic: Default – Off
- Underline: Default – Off

Sort
- Icon: Default – Off
- Icon Position: Default – Next to Text (Options: Right Justified; Next to Text)
- Icon Size: Default – 5 px (0 px – 30 px)
- Icon Color: Default - #3f464b

4. Values

Font
- Word Wrap: Default – On
- Horizontal Position: Default – Left (Options: Left; Center; Right)
- Vertical Position: Default – Middle (Options: Top; Middle; Bottom)
- Font Family: Default – Segoe UI
- Size: Default – 10 pt
- Color: Default – #000000
- Bold: Default – Off
- Italic: Default – Off
- Underline: Default – Off

Units
- Units: Default – On