



POWER BI MEETS UX DESIGN

### accessible insights

Elena Drakulevska

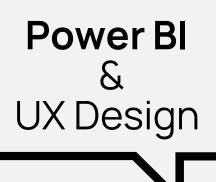
#### Elena Drakulevska

Bl Consultant @ **b.telligent** Creator of **MoonStory** 



moonstory.design

@elenadrakul





#### today in a nutshell

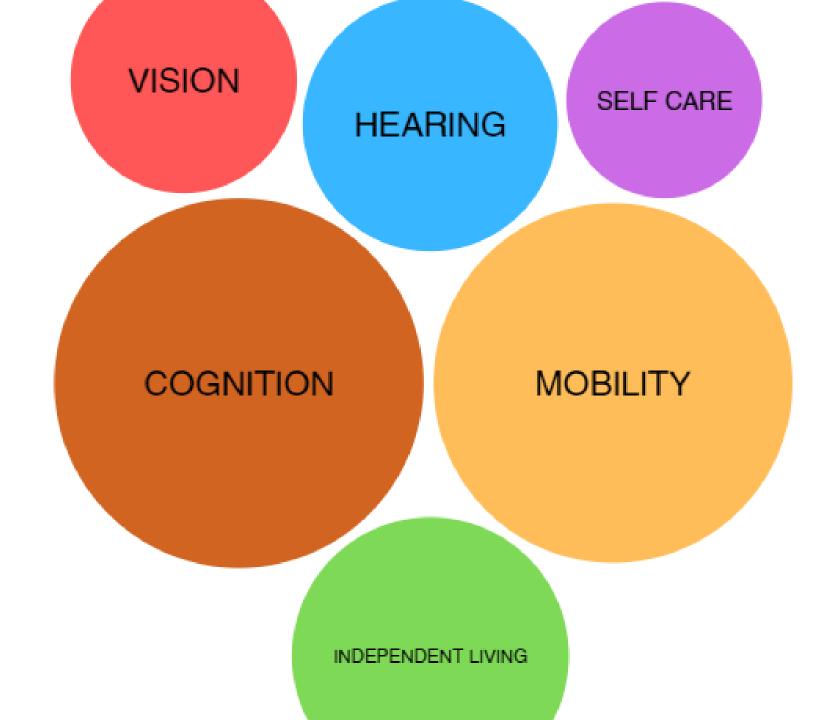
- 1 introduction
- why accessibility matters
- 3 vision
- 4 cognition
- 5 mobility
- 6 what's on your mind?

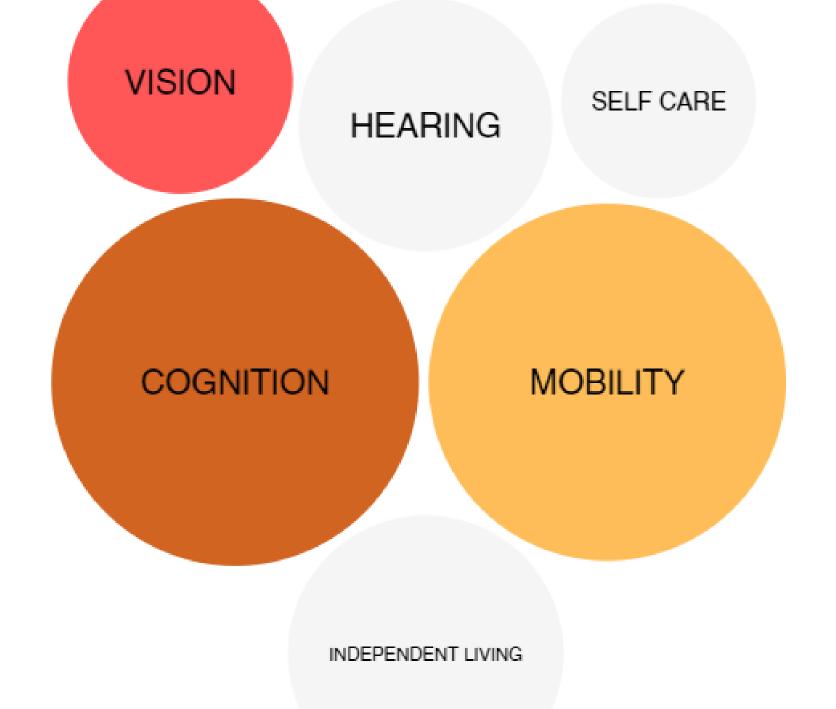


## 1.300.00.00.00

# 1.3 billion







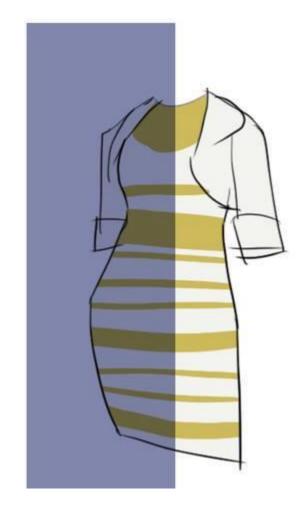
### vision





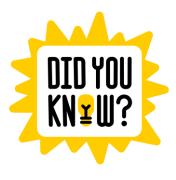


WHITE DRESS, BUE SHADOW



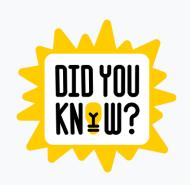


people in the world live with some form of disability



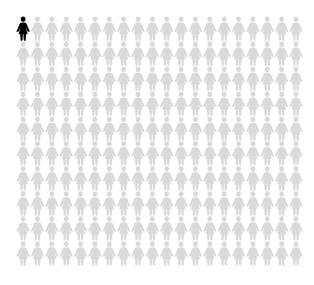
#### 300 M

people in the world have color vision deficiency



color vision deficiency is not equal

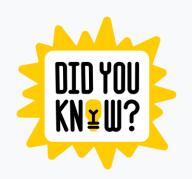








# of visually impaired is expected to **double** by 2050



accessibility tips

4.5:1

text-to-background color contrast ratio

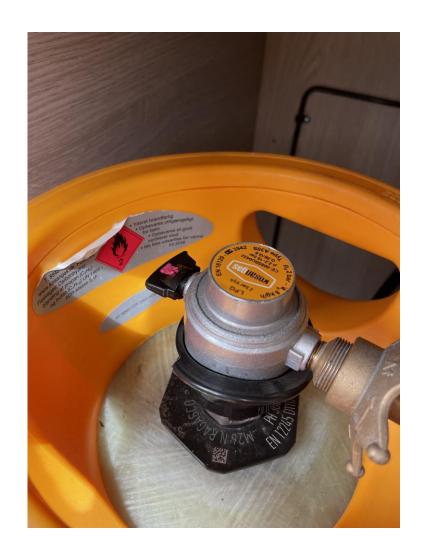
key takeaway #1

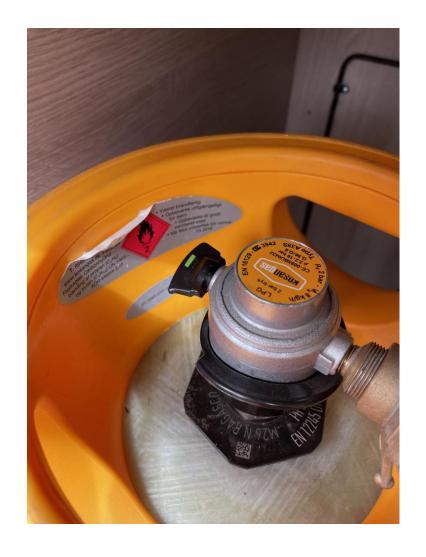
# use accessible color palettes and check your contrast



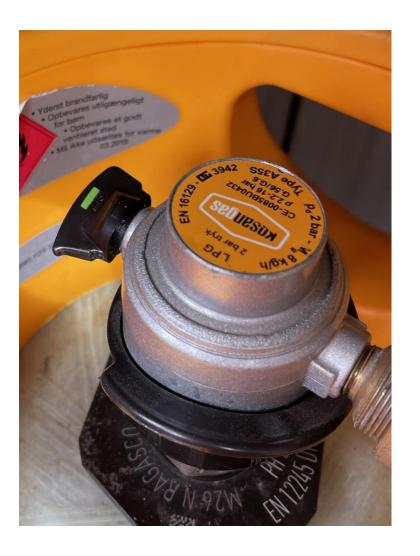
#### accessibility tips

# use icons / dashed lines in addition to color











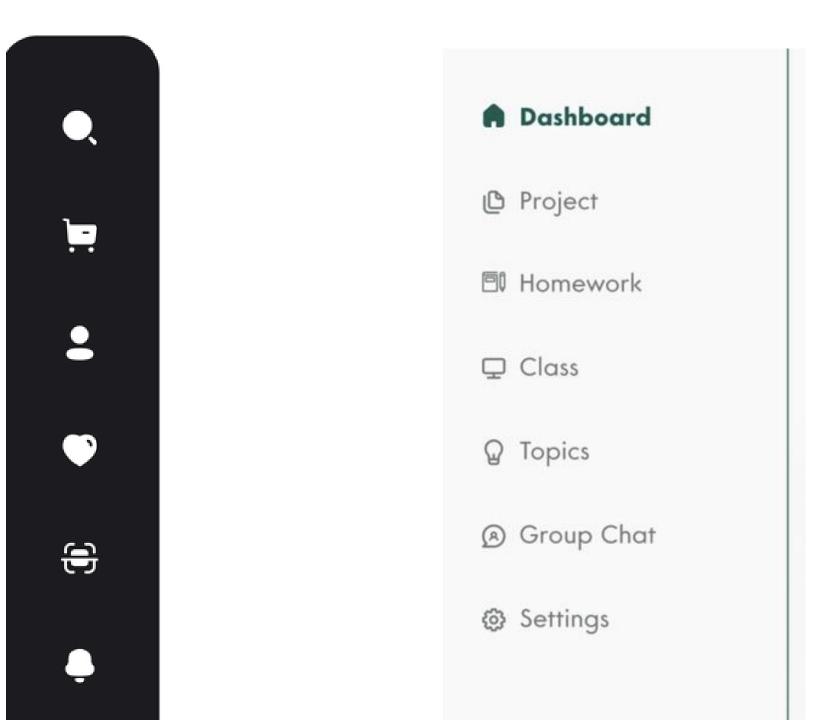
#### accessibility tips

# use universal icons in addition to text









key takeaway #2

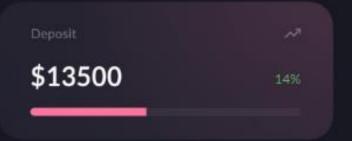
# find other ways of conveying information

# WELCOMETOTHE DARKSIDE





| Investment | 72  |
|------------|-----|
|            |     |
| \$16800    | +5% |
| <b>+</b>   |     |





My Cards

| Recen    | t Transactions       |          |
|----------|----------------------|----------|
| Today    |                      |          |
| KFC      | KFC<br>12:08 PM      | \$16.20  |
| 8        | Dribbble<br>11:55 AM | \$10.67  |
| d        | Tinder<br>10:15 AM   | \$12.01  |
| Þ        | Ikea<br>9:32 AM      | \$112.43 |
| Yesterda | ay .                 |          |

\$13.63

Netflix

N



8

8

111

# WELCOME TO THE DARK SIDE SURPRISED WE LIED ABOUT THE COOKIES?

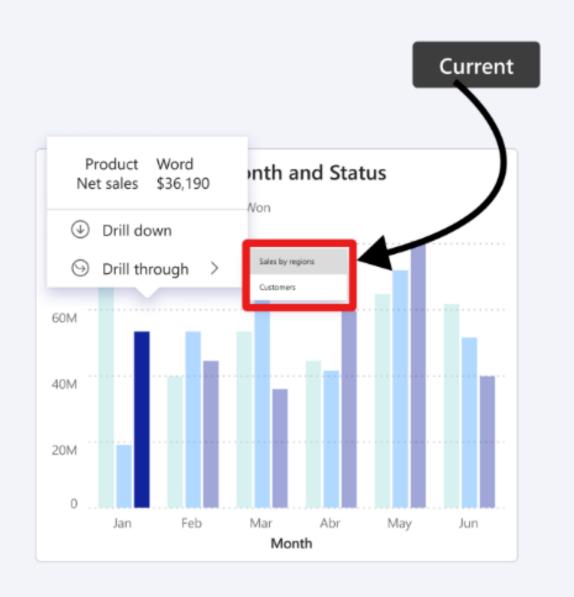
#### accessibility tips

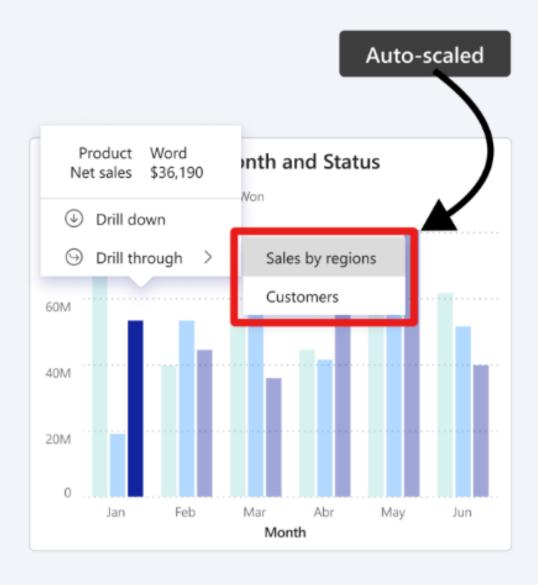
### avoid dark-mode reports unless asked for explicitly

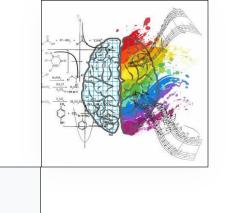
#### POWER BI

# screen-reader compatibility & alt text

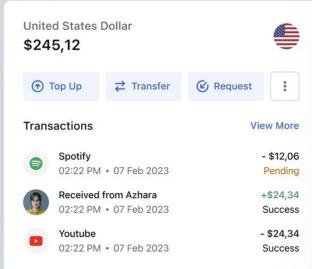


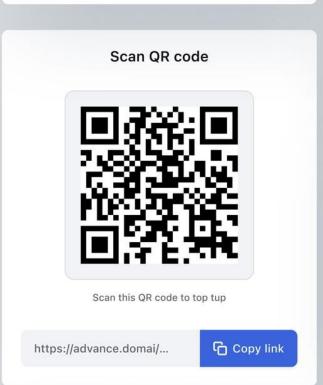






## cognition

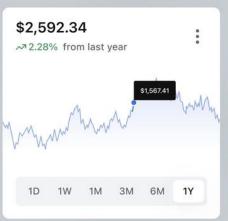


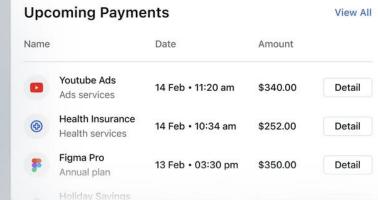


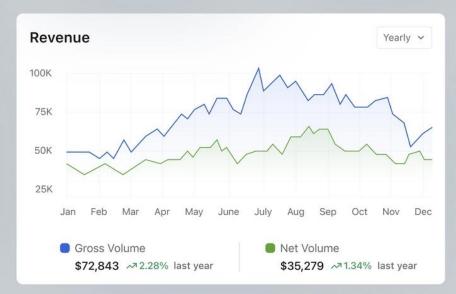
Currencies

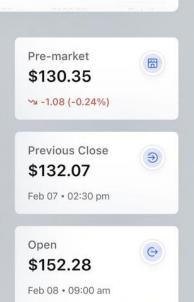


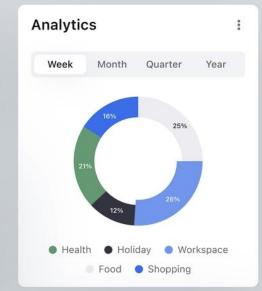


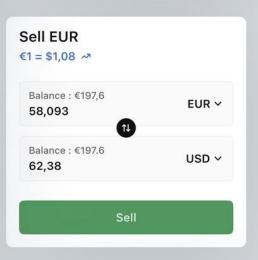


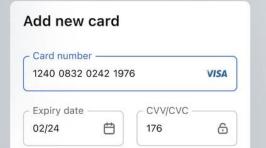




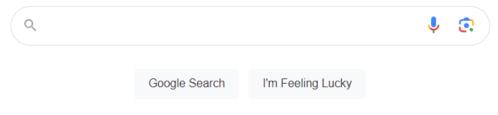








### Google

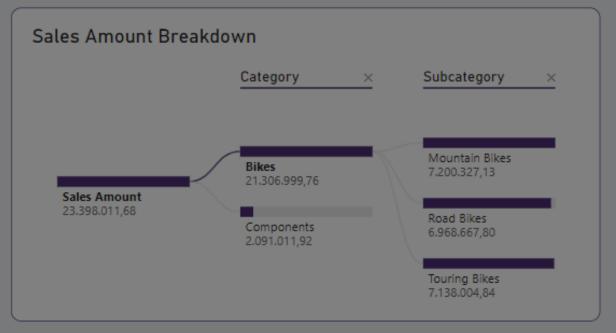


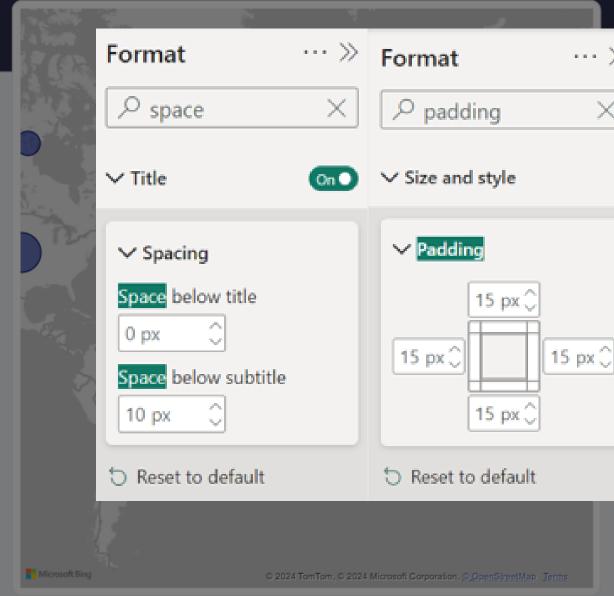
Google offered in: Deutsch

# whitespace

#### Executive Summary | Sales Report







### perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away.

ANTOINE DE SAINT-EXUPÉRY



key takeaway #3

## less is more

φοντσ

fonts

FONTS

fonts

FONTS

fonts

fonts

FONTS

**FONTS** 

## avoid fancy fonts

### avoid serif fonts

avoid small fonts

### accessibility tips

# use **sans serif** fonts Verdana Arial Calibri Segoe UI DIN

### accessibility tips

## font size body text—at least 12pt (16 px) no text smaller than 9pt (12 px)

key takeaway #4

# not all fonts and sizes were made equal

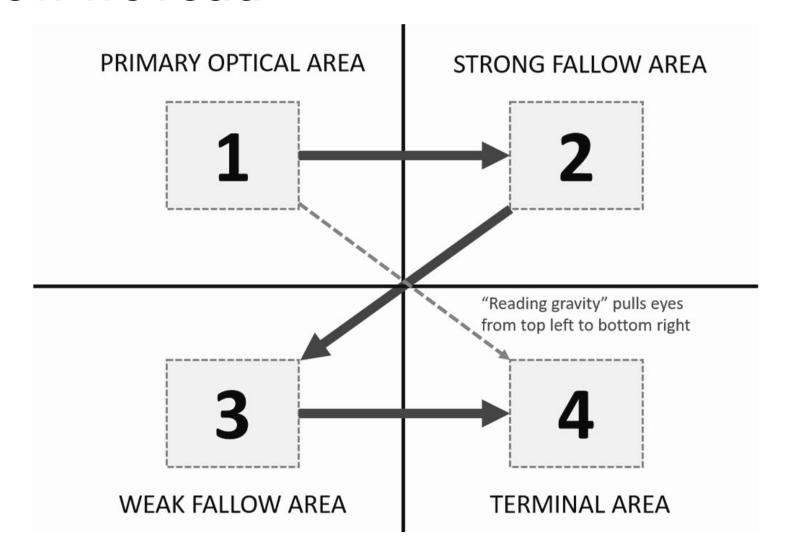


### POWER BI

# keyboard navigation & tab order

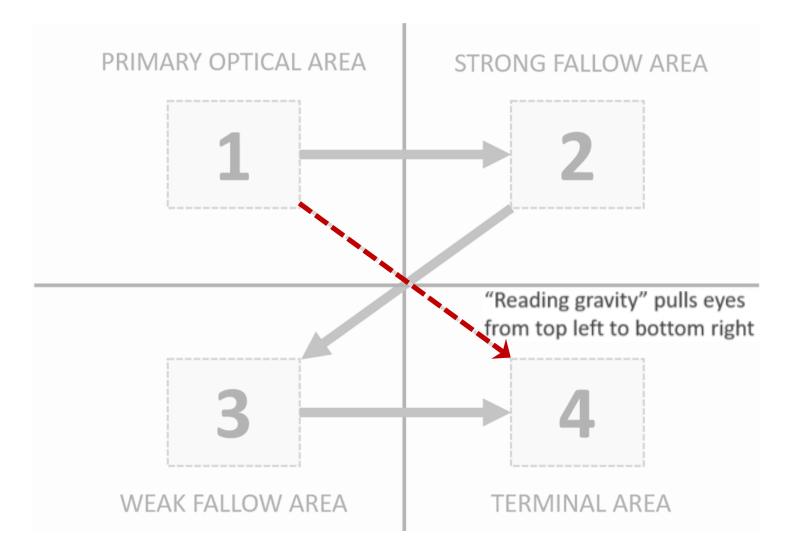
### VISUAL PERCEPTION

### this is how we read



### VISUAL PERCEPTION

### this is how we read



the power of the web is in its universality. access by everyone regardless of disability is an essential aspect.

TIM BERNERS-LEE

the power of **dataviz** is in its universality. access by everyone regardless of ability is an essential aspect.

ELENA DRAKUL









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