

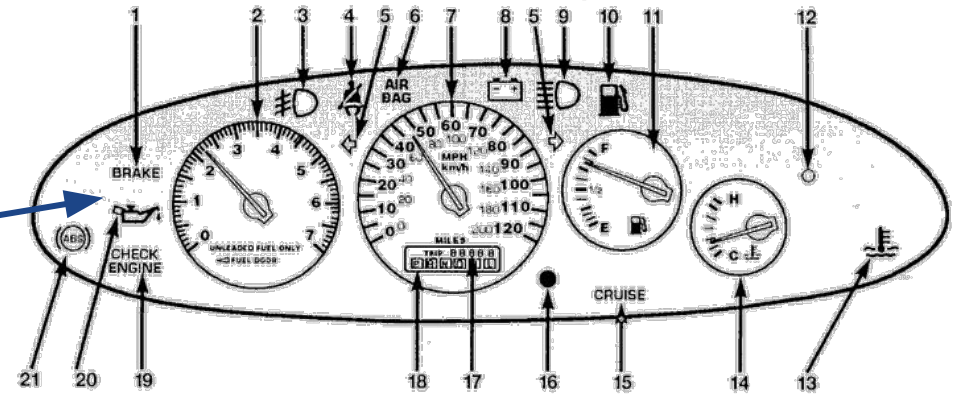
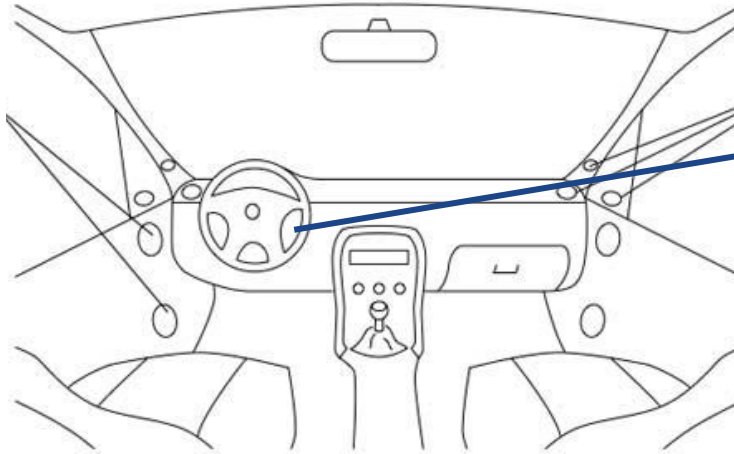
CREATING & MAINTAINING IMPACTFUL DASHBOARDS

Jessica White

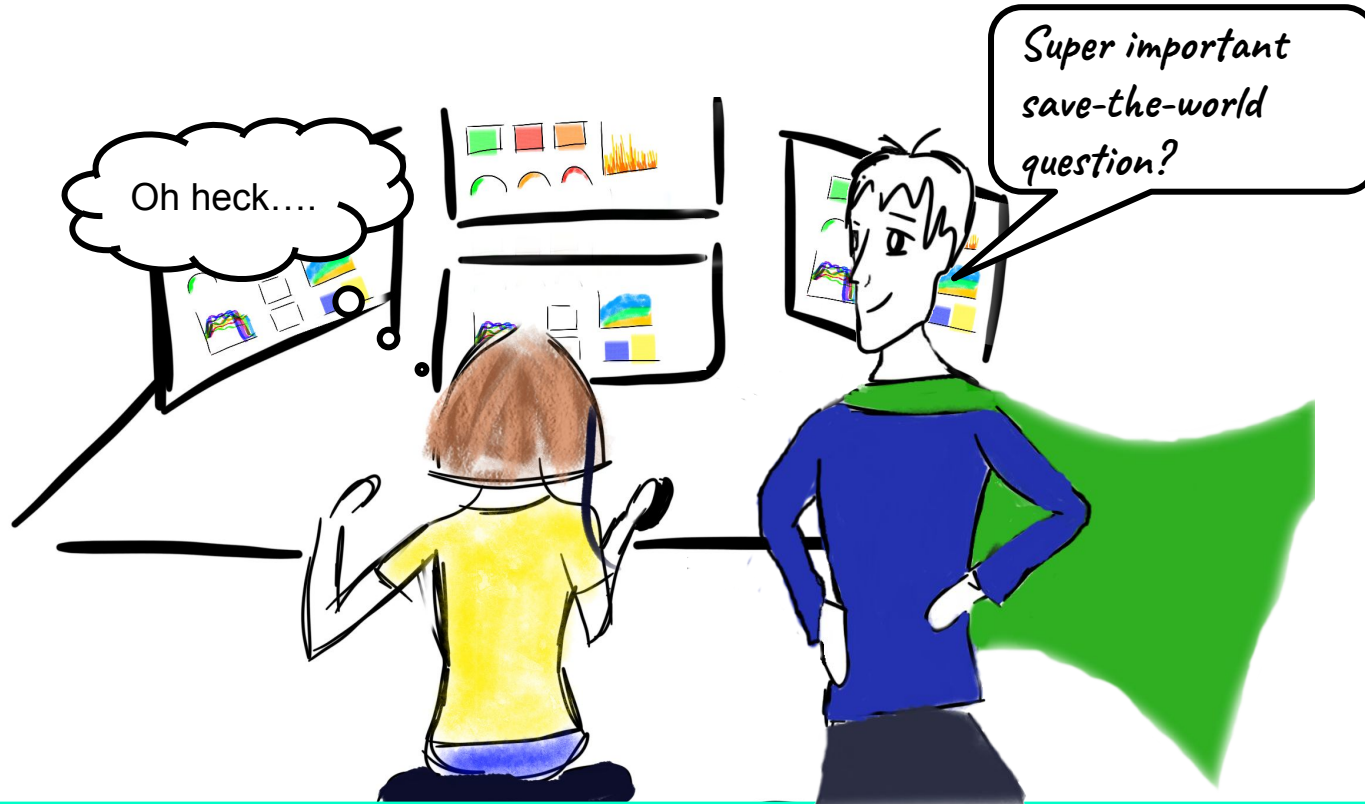
Software Developer at **UNiDAYS**

WHAT IS A DASHBOARD AND WHY
DO WE CARE?

WHAT'S THE PURPOSE?



WHY DO WE CARE?



WHO NEEDS DASHBOARDS?

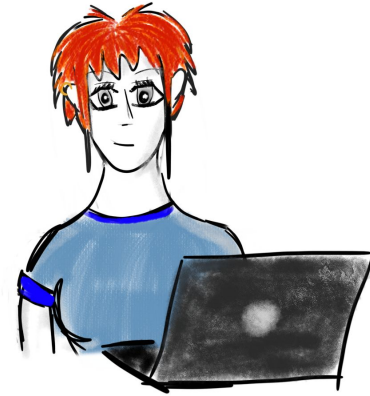
DIFFERENT TYPES OF DASHBOARDING



Business Intelligence
STRATEGIC



Management Information
TACTICAL



Operational / Development Information
EXECUTION

BISCUIT FACTORY



Business Intelligence
STRATEGIC



Management Information
Tactical



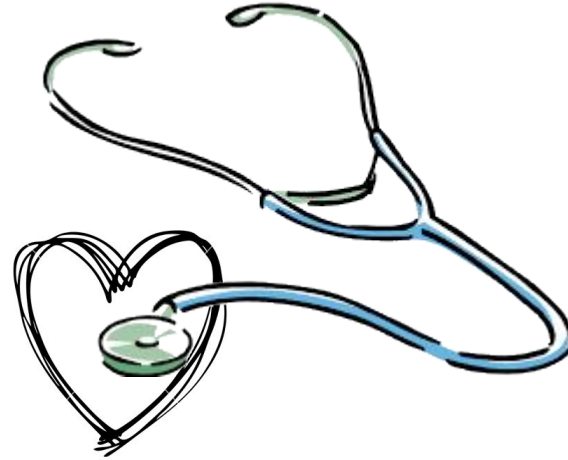
Operational / Development
EXECUTIVE



DIFFERENT TYPES OF DASHBOARDING



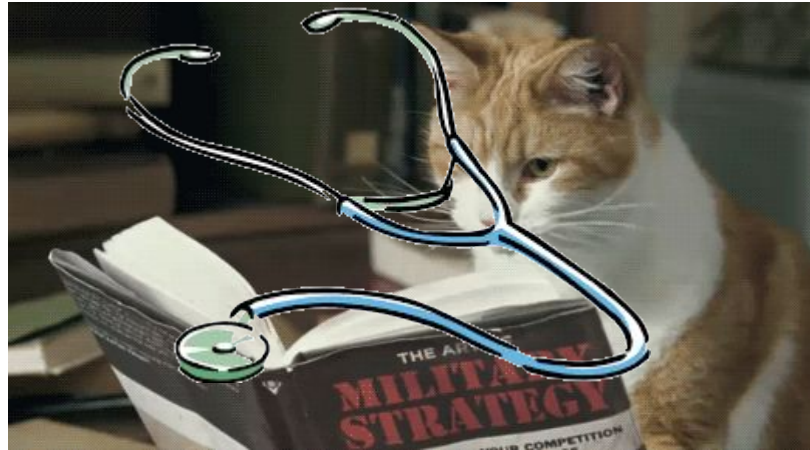
Business Intelligence
STRATEGIC



DIFFERENT TYPES OF DASHBOARDING



Business Intelligence
STRATEGIC



DIFFERENT TYPES OF DASHBOARDING



Business Intelligence
STRATEGIC



DIFFERENT TYPES OF DASHBOARDING



Management Information

Tactical



DIFFERENT TYPES OF DASHBOARDING

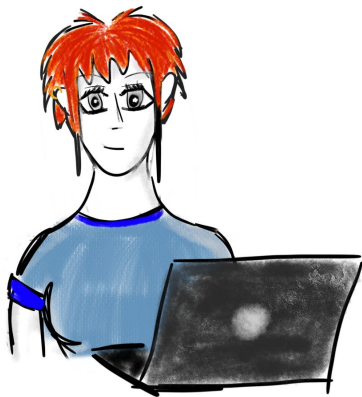


Management Information

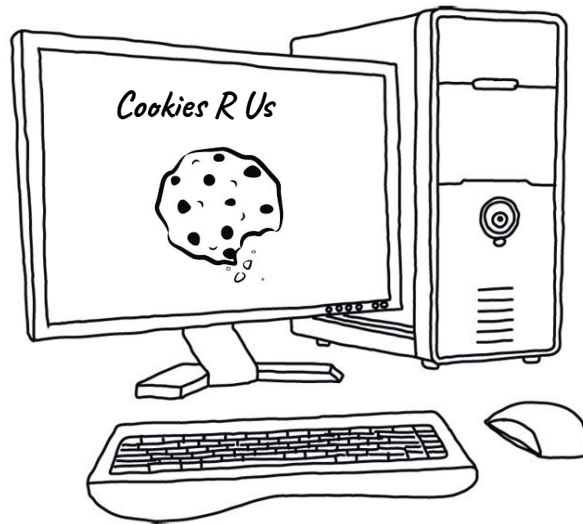
Tactical



DIFFERENT TYPES OF DASHBOARDING



Operational / Development
Information
EXECUTION



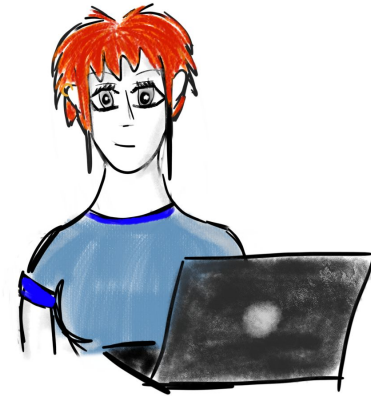
DIFFERENT TYPES OF DASHBOARDING



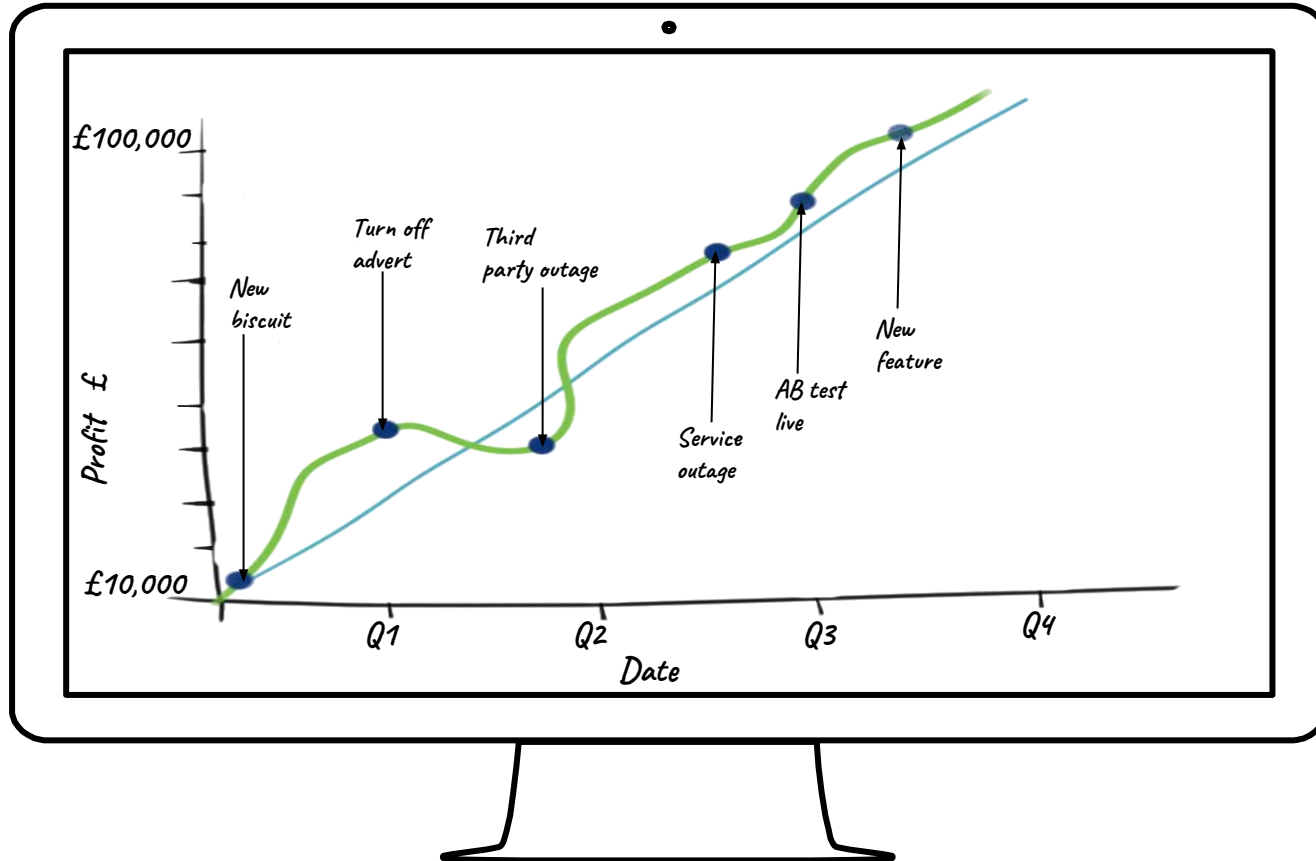
Business Intelligence
STRATEGIC



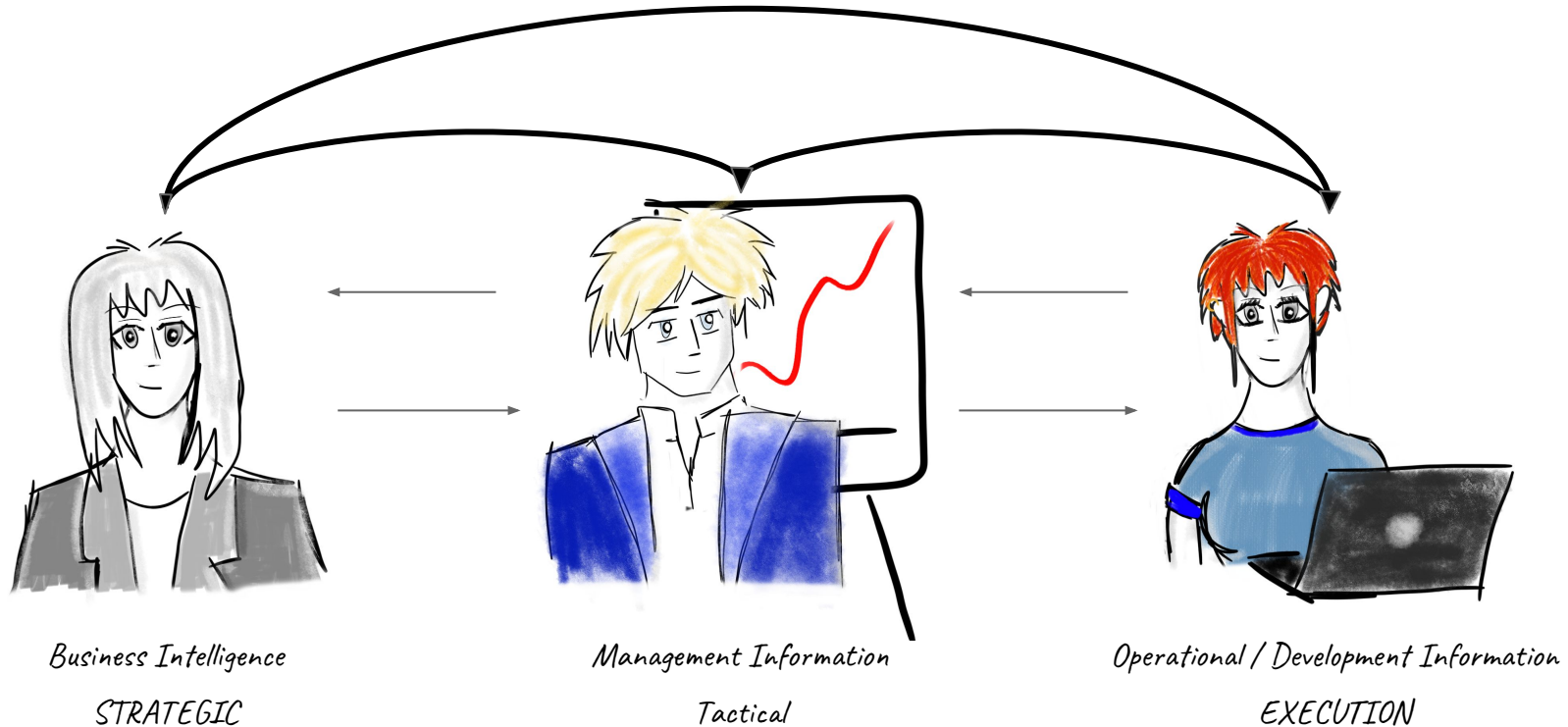
Management Information
Tactical



Operational / Development Information
EXECUTION



DIFFERENT TYPES OF DASHBOARDING



WHO NEEDS DASHBOARDS?

EVERYONE.

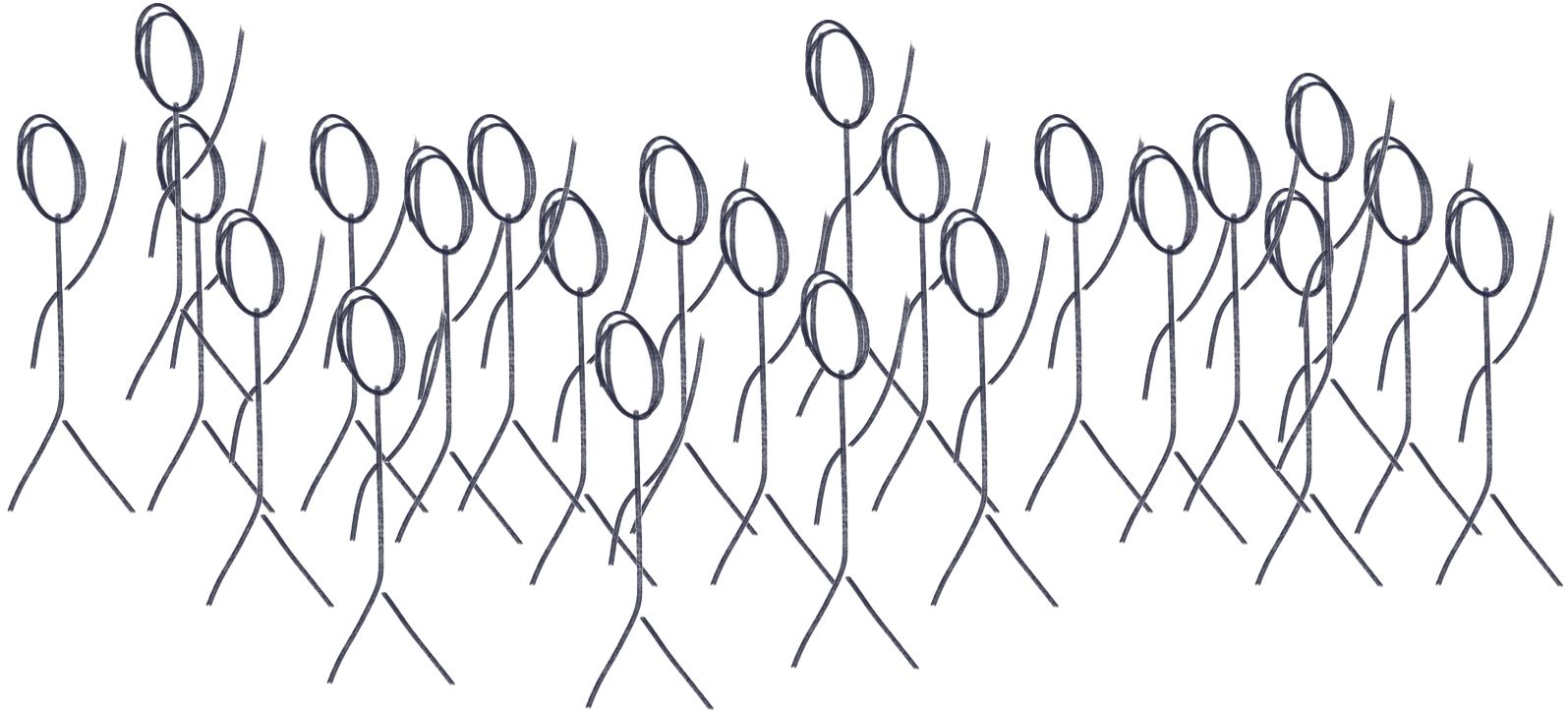
"IF YOU DON'T MEASURE IT, YOU CAN'T MANAGE IT"

"IF YOU DON'T MEASURE IT, YOU CAN'T IMPROVE IT"

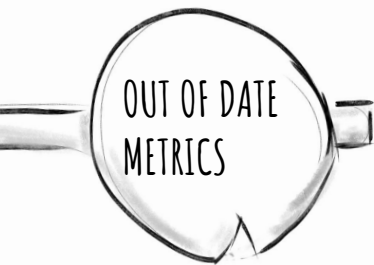
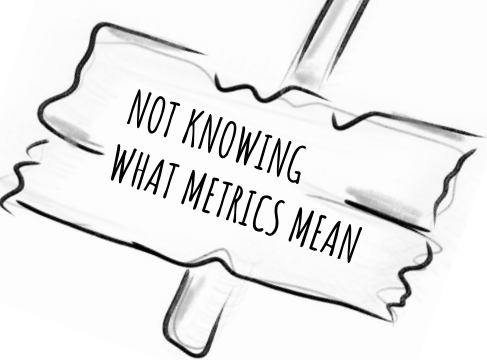
"IF YOU DON'T MEASURE IT, YOU PROBABLY DON'T CARE"

"IF YOU CAN'T INFLUENCE IT, THEN DON'T MEASURE IT"

— RANDY A. STEINBERG



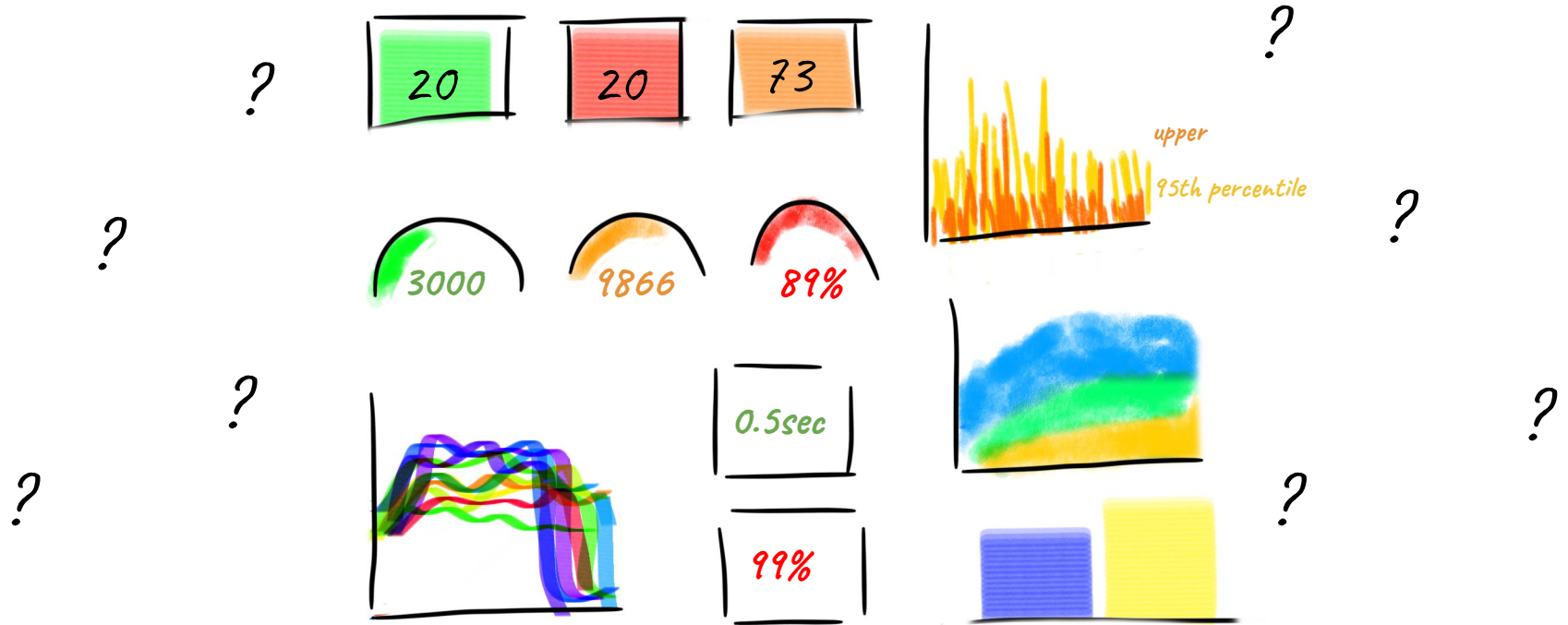
DASHBOARDING IS HARD TO DO
RIGHT



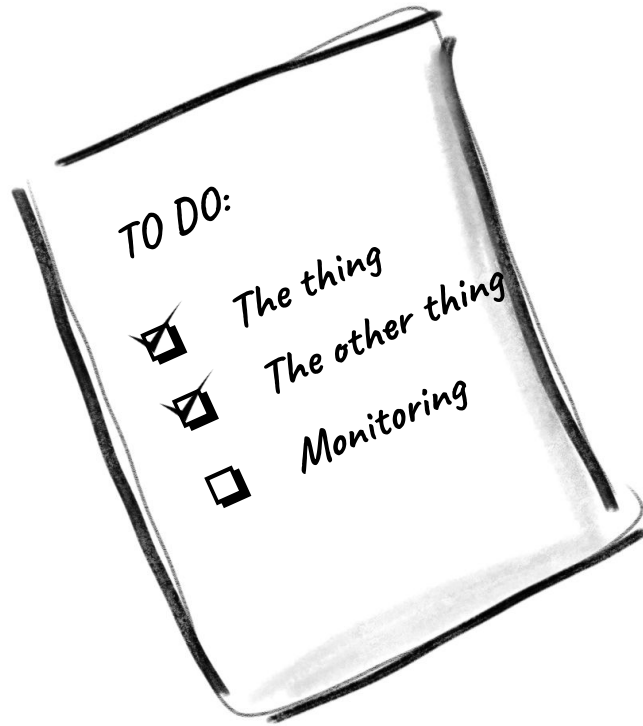
DANGER SIGNS



DON'T KNOW WHAT THE METRICS ARE FOR



TICK BOX EXERCISE



"WE HAVE ONE PERSON THAT MAKES ALL OUR DASHBOARDS"



WHERE DO I START?

TALKING TO STAKEHOLDERS

What do you want?

TALKING TO STAKEHOLDERS

~~What do you want?~~

What do you need?

What are the company objectives?

How might it fail?

How do you know an app / feature is working?

What are the KPI's

REQUIREMENT GATHERING AND PUSHING BACK

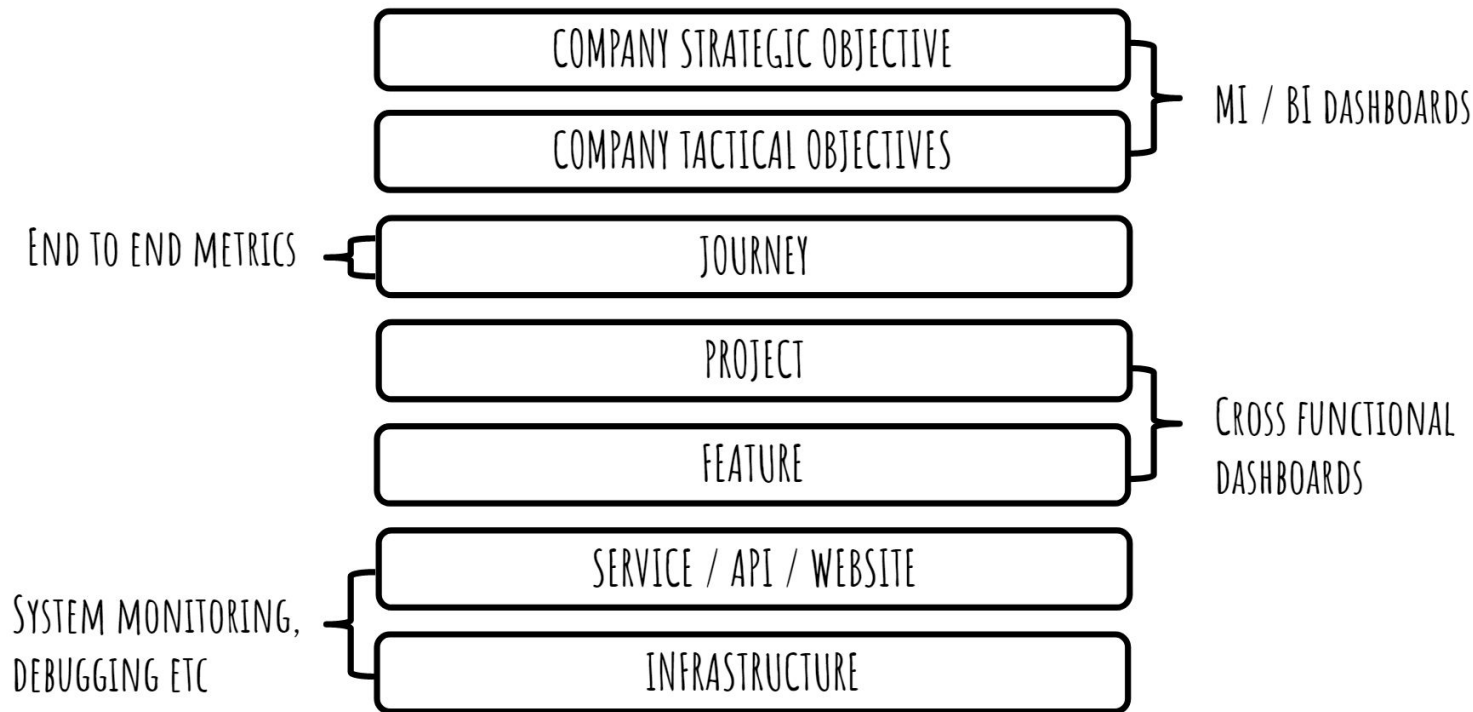


- **WHY** do you need this information?
- **WHY** does it need to live on the dashboard?
- **WHAT** does it provide?
- **COULD** it live somewhere else?

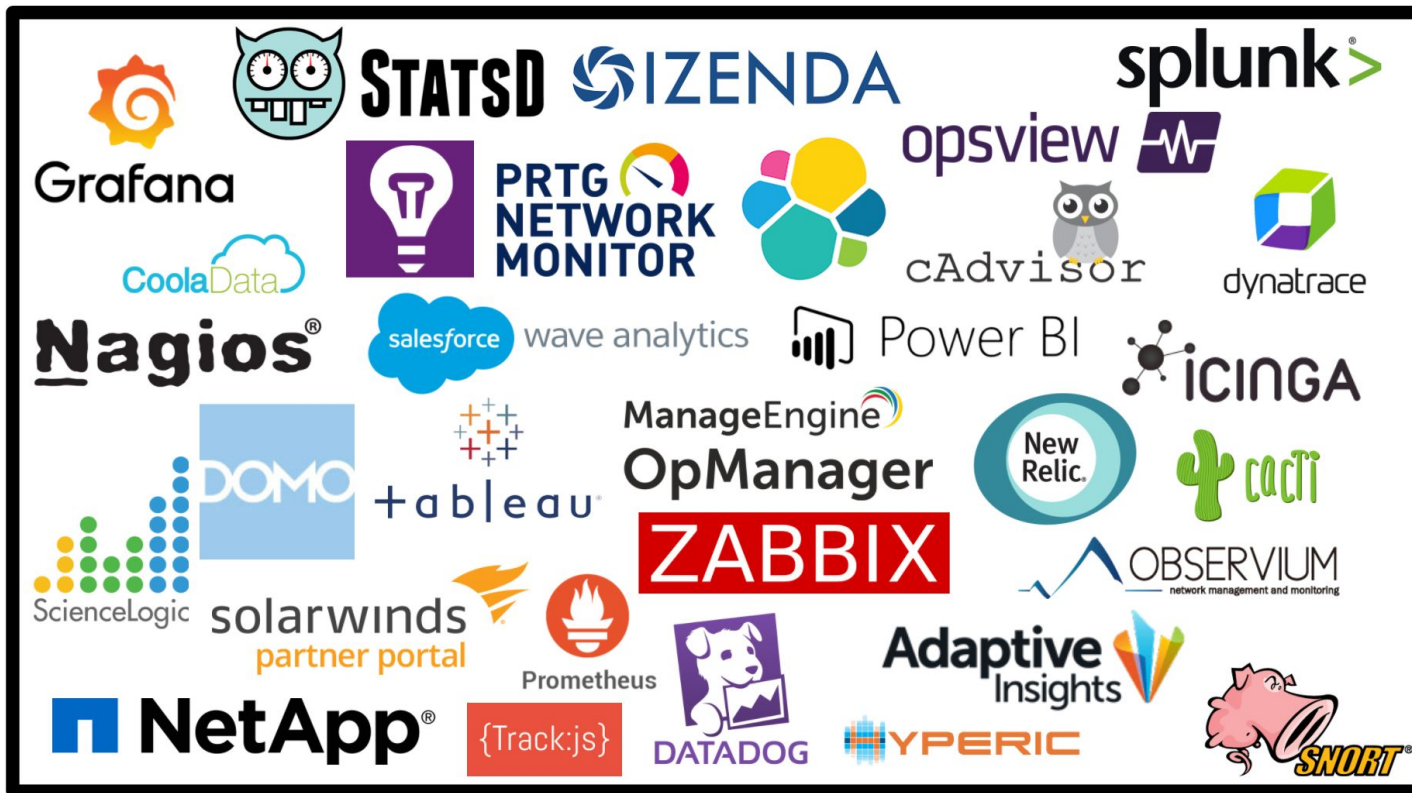


Lifetimes

LAYERS



TOOLS



HOW CAN I PICK WHICH TOOL TO USE?

USER / DEVELOPMENT CONCERNS

- Is it for a particular type of monitoring?
- Does it need to be accessible?
- What data sources does it support?
- Can the tool cover the type of queries you will be most commonly using?
- Does your team have experience / how steep is the learning curve / are the learning resources good.

COST & HOSTING

- What's the budget?
- Do you want to self host or have hosting provided?

OTHER FEATURES

- Does it support alerting in a way that's useful to you?

DO YOU HAVE
NUMEROUS DATA
SOURCES?



NO!



NO!



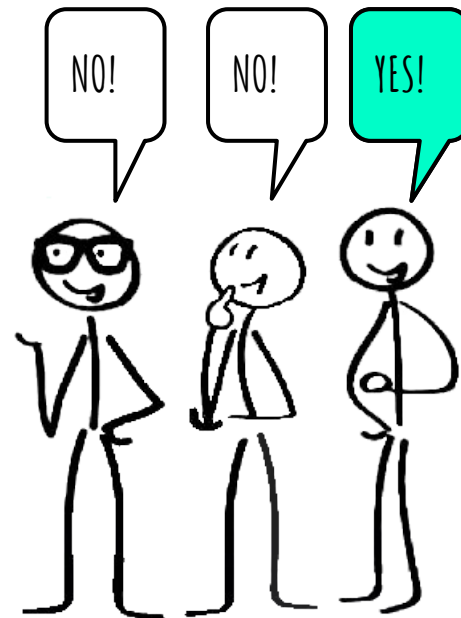
YES!



@JessPWhite #NDCMinnesota



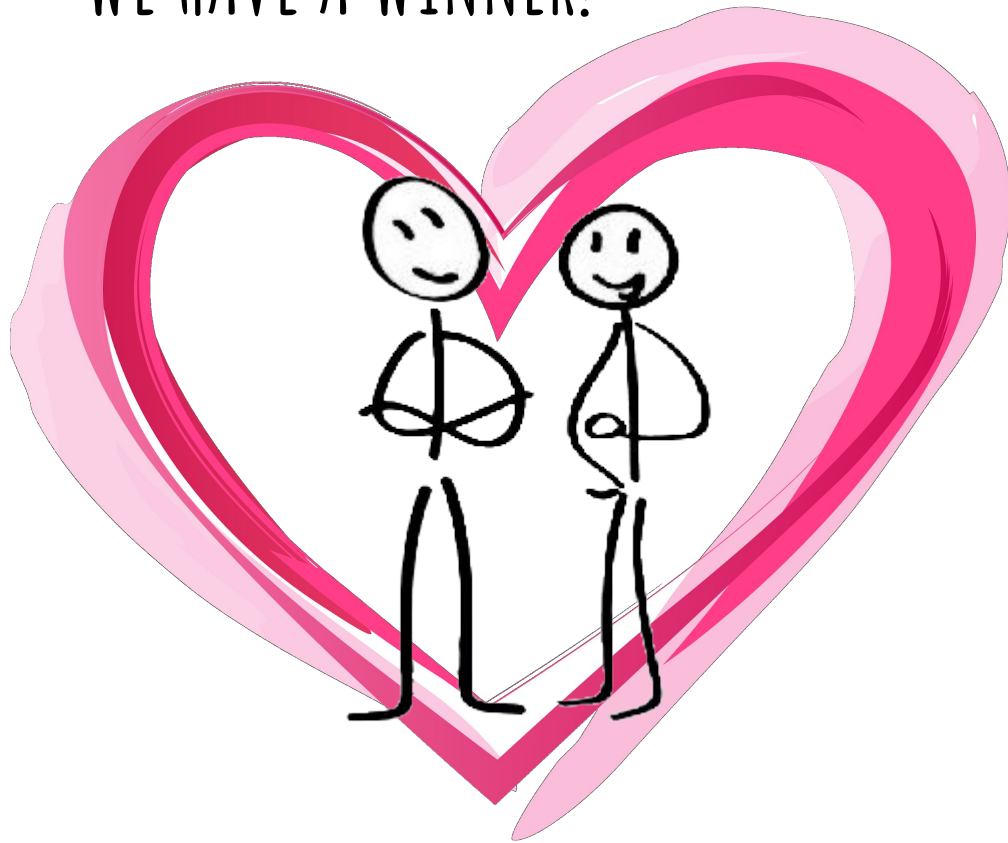
The Choice Is Yours



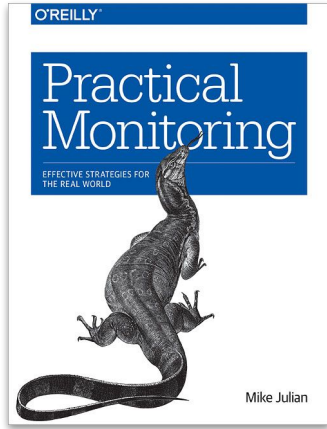
@JessPWhite #NDCMinnesota

The Choice Is Yours

WE HAVE A WINNER!



- CAN DO THE TYPE OF MONITORING NEEDED
- TEAM IS FAMILIAR WITH IT
- CHEAP
- MULTIPLE HOSTING OPTIONS
- MULTIPLE DATA SOURCE OPTIONS
- ALERTING ON A SUITABLE MESSAGING FORMAT
- SHAREABLE DASHBOARDS



[HTTPS://JESSWHITE.CO.UK/](https://jesswhite.co.uk/)



Where can I learn more?



Who Wants to Be a
Conspiracy Theorist?

Heather Downing
Secretary of Offense



The Other Side of the Ad
Blocker

Jake Ginnivan
Still an Optimist



JavaScript, The Weird
Parts?

Jonathan Mills
Still confused by JavaScript



The Nihilist's Guide to
Cyber

Laura Bell
Princess Luna meets Gladys



Dante's InVerNox.NET
Version Numbers Explained

Mark Rendle
Keeper of the Profane Keywords



How to Lead Like an Utter
Bastard!

Stephen Haunts
Steve the Demotivator



The Duck Tape Programmer

Ian Cooper
Code knitter, system stitcher, and
distributed puzzle solver



Dicking About With Data

Jessica White
Coffee Fueled Hobbit



Time Zones Are Easy, Right?

Lars Klint
Banjo Coding Expert



Please Your VP By Hating
Your User

B. Lemon
Aspiring Aspirational Figure



If the Irish Made the
Internet

Niall Merrigan
St Patrick's Younger Brother



Developer Musical Medley

Dylan Beattie
and the Line Breakers

- THERE ARE MANY LAYERS AND TYPE
- DASHBOARDS ARE GREAT FOR UNITY, TRANSPARENCY AND PURPOSE
- SCIENTIFIC METHOD
- CONSIDER THE AUDIENCE
- ASKING THE RIGHT QUESTIONS AND PUSHING BACK
- LAYERS OF DASHBOARD
- TOOLING / PICKING THE RIGHT TOOL FOR YOU
- RESOURCES

What we've covered

THANKS!
ANY QUESTIONS?

