

A FRAMEWORK FOR
VISUAL THINKING WITH

Digital Sketchnotes

Sketchnote Book by Edmund Gröpl | 05.03.22 | v0.33 | draft



A FRAMEWORK FOR VISUAL THINKING WITH

DIGITAL SKETCHNOTES

Sketchnote Book

by Edmund Gröpl

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Cover: Sketchnote inspired by Graham Shaw at TEDx, 2015
https://lnkd.in/eC_7RRjy

Foreword

A *foreword* is written by someone other than the author and tells the readers why they should read the book.

This is a book about ...

In this draft version it's just a collection of ideas and drawings from the authors personal learning journey and experiences about the concepts of Visual Thinking and Digital Sketchnotes.

London

N.N.

February 2022

Preface

I'm a data scientist and data storyteller. Visual thinking is part of my job since more than 30 years. Working with sketchnotes is a basic need. But why should I start writing a book about Digital Sketchnotes? The answer is easy.

What I've learned in my digital life:

1. Moments are precious.
2. So, I'm taking photos to remember.
3. Too many photos are overwhelming.
4. So, I love to create Photo Books.

But I needed much longer to understand:

1. Ideas are precious.
2. So, I'm taking sketchnotes to remember.

3. Too many sketchnotes are overwhelming.
4. So, I'm just creating my first Sketchnote Book about Digital Sketchnotes.

Do you already have a photo book? And what about having your own Sketchnote Book collecting Digital Sketchnotes?

If you love the idea, here are some more great examples:

- A Simple Guide To Sketchnoting, Alessio Bresciani
<https://www.amazon.de/dp/B01LYP6JWZ/>
- Essentials of Visual Language, Yuri Malishenko
<https://leanpub.com/visualthinkingworkbook/>
- The xLontrax Theory of Sketchnote, Mauro Toselli
<https://www.maurotoselli.com/blog/the-xlontrax-theory-of-sketchnote>
- Sketchnotes aus Australien, Annelies Schippke
<http://meisterbar.de/australien/>

- Collection of 98 Digital Sketchnotes, Chris Spalton
<https://lnkd.in/gpkmMngK>

*A **preface** is written by the author and tells readers how and why the book came into being.*

I love to visualise ideas ...

(New for the second edition)

Conventions used in this book

Hidden secrets in quotes:



**QUOTATION IS THE HIGHEST COMPLIMENT YOU CAN PAY TO AN AUTHOR -
ANDRÉ-MARIE AMPÈRE**



Acknowledgements

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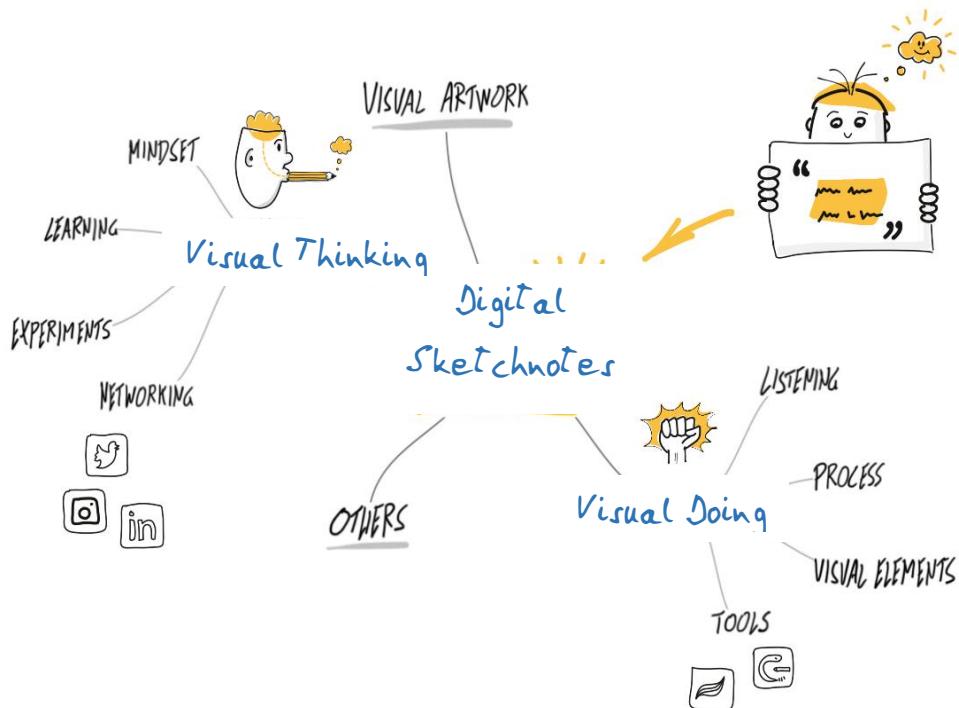
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DRAFT



#EDMUND 2021

Introduction

About this book

Motivation, Why

How this book is organized

What to expect

Overview

Navigating this book

Let's get started

VISUAL ARTWORK



**SKETCHNOTES MUST BE READABLE, UNDERSTANDABLE AND GRACEFUL
ENOUGH - MAURO TOSELLI**

**REMEMBER WHITESPACE TO LET YOUR VISUALS BREATHE - DARIO
PANIAGUA**

CREATE MAPS THAT MAKE PEOPLE READ AND THINK. - DARIO PANIAGUA

Sketchnotes are rich visual notes created from a mix of handwriting, drawings, hand-drawn typography, shapes, and visual elements like arrows, boxes, and lines.

– Mike Rhode (The Sketchnote Handbook)

Sketchnoting, also commonly referred to as visual notetaking, is the creative and graphic process through which an individual can record their thoughts with the use of illustrations, symbols, structures, and texts.

- <https://en.m.wikipedia.org/wiki/Sketchnoting>

Definitions

Quality

Purpose

Process:

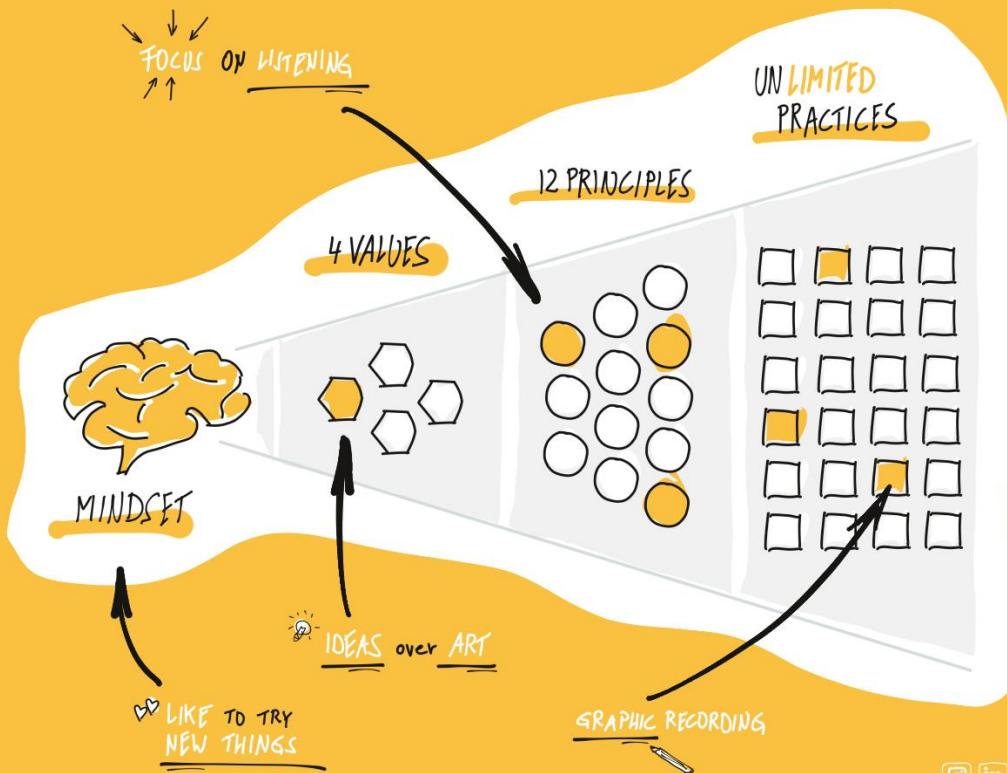
- Sketchnoting
- Graphic Recording
- Visual Facilitation

Artefact:

- Sketchnote

- Strategy Map

SKETCHNOTE FRAMEWORK



SKETCHNOTE FRAMEWORK

- Mindset
- 4 Values
- 12 Principles
- Unlimited Number of Practices

5

STEAL LIKE AN ARTIST

- AUSTIN KLEON



#EDMUND'2021

Mindset



STEAL LIKE AN ARTIST – AUSTIN KLEON

SKETCHNOTE FOR YOURSELF, NOT OTHERS – RASAGY SHARMA

Sketchnoting is a behaviour with an underlying mindset like the Growth Mindset:

- Like to try new things (→ VISUAL THINKING, → Open for Experiments)
- Failure leads to learning (→ VISUAL THINKING, → Keep Learning)
- Inspired by others success (→ Value Networking)
- Feedback is constructive (→ Networking)
- Efforts determine my abilities (→ VISUAL DOING)

SKETCHNOTE MANIFESTO

VALUES

- IDEAS OVER ART
- GRACEFUL ENOUGH OVER PERFECT
- LISTENING OVER THINKING
- LEARNING OVER KNOWING

V0.2



#EDMIND 2022

4 Values

Today I asked Google to find a “Sketchnote Manifesto” for me. As I learned from agile projects, you always need a “Manifesto” before to start working. ;-)

After more than 15 minutes of unsuccessful search I remembered an old saying: “If you can’t find it, create it.” So, here is my first draft of a “Sketchnote Manifesto”:

We are uncovering better ways of visual notetaking by doing it and helping others do it. Through this work we have come to value:

- Ideas over Art (→ Artwork, WHAT it is showing)
- Graceful enough over Perfect (→ Artwork, HOW)
- Listening over Thinking (→ Doing)
- Learning over Knowing (→ Thinking)

That is, while there is value in the items on the right, we value the items on the left more.

SKETCHNOTE MANIFESTO



PRINCIPLES

- 1 FOCUS ON LISTENING
- 2 START WITH HANDWRITING
- 3 OPEN FOR EXPERIMENTS
- 4
- 5
- 6
- 7 TELL STORIES
- 8 CREATE VALUE
- 9 KEEP LEARNING
- 10 SHARE YOUR WORK
- 11
- 12 ENJOY SIMPLICITY



V0.2

@EDMUND 2022

12 Principles

Defining VALUES in the “Sketchnote Manifesto” helps to describe the philosophy behind an evolving body of knowledge. For me it has more a supportive function than being some kind of advice how to do something. It may also be detailed in some important PRINCIPLES in this field. Here my basic ideas also formulated as a rough draft:

1. Focus on listening (→VISUAL DOING)
2. Start with handwriting (→VISUAL DOING)
3. Open for Experiments (→VISUAL THINKING)
4. ...
5. ...
6. ...
7. Tell Stories (→VISUAL THINKING)
8. Create value (?)
9. Keep Learning (→VISUAL THINKING)

10. Share your work (→VISUAL ARTIST)
11. ...
12. Enjoy simplicity (→VISUAL THINKING)

Having 4 VALUES and 12 PRINCIPLES is not a must. It's a best practice also used in the Agile Manifesto (see reference). 3 or 10 are also good numbers. But limitation is mandatory to create a clear focus.

There's always room for improvement. Any idea for a statement to add or to change?

Ideas:

Continuous practicing
Share to get feedback
Be open to feedback
Give feedback to others

Value networking (→VISUAL ARTIST)

Unlimited Number of Practices

Sketchnoting is manifested by an unlimited number of practices.

1

Ideas,
not
Art

- MIKE ROHDE



#EDMUND '2021

VISUAL THINKING



IDEAS, NOT ART – MIKE ROHDE

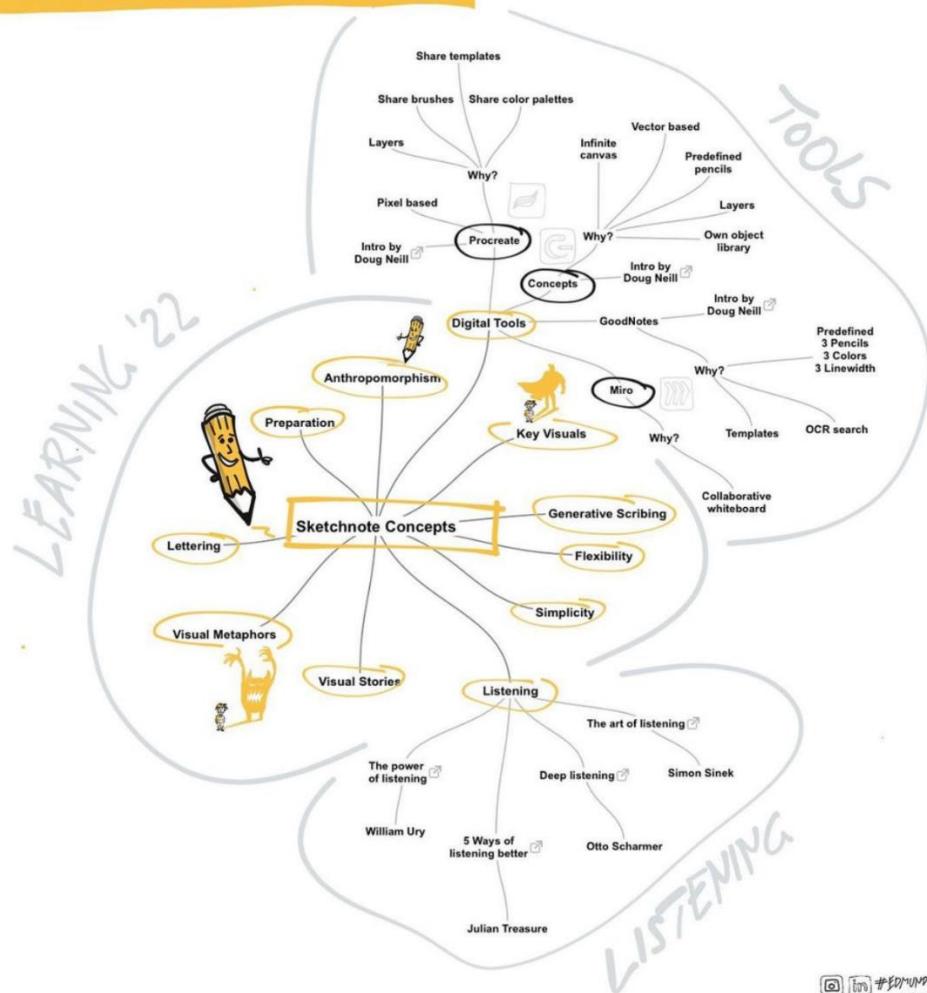
I'm a quote collector. Over the years while reading books, listening to podcasts, or watching videos on YouTube my collection is growing and growing.

One of my first quotes about visual thinking and Sketchnotes stems from Mike Rohde: „Ideas, not art.“ Still true and a great motivation for me to step in the right direction.

Today I'll ask you: What is your favourite quote about „Visual Thinking“? Why?

Sources: (Rohde, Sketchnote Handbook: The illustrated guide to visual note taking 2012)

LernOS SKETCHNOTES



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LEARNING JOURNEY



WHAT ARE MY GOALS?
WHAT ARE MY NEXT STEPS?

Keep Learning



FOCUS ON SOMETHING YOU WANT TO LEARN AND FOCUS ON IT - MARC GUTMAN

KEEP A BAD DRAWING UNTIL BY STUDY YOU HAVE FOUND OUT WHY IT IS BAD - ROBERT HENRI

WE LEARN BY COPYING. WE ADVANCE THROUGH INTEGRATION. WE MASTER BY TAPPING INTO OUR OWN SOURCE. - KELVY BIRD¹

My learning perspective of Visual Thinking: Since starting my learning journey at lernOS I'm still overwhelmed with all the new possibilities. What I didn't know, my self-perception is constantly shrinking. Also, my skills are growing step by step, the number of possibilities seems to be exploding.

¹ (Bird 2018)

Here are the authors of my reading list: Mike Rohde, Nadine Roßa, Austin Kleon, Sandra Schulze, Willemien Brand, Malte von Tiesenhausen, Mauro Toselli , Kelvy Bird, Dario Paniagua, Benjamin Felis, Thomas Pyczak.



Kelvy Bird • 1st

Scribe

6mo ...

How wonderful to see this kind of field expansion through your eyes! And thanks for the inclusion. Based on your image, I imagine the gap between possibilities and perception might not actually be as wide as you imagine ;)

[Like](#) ·  8 | [Reply](#)



Mike Rohde • 1st

Principal User Experience Designer at PKWARE

6mo ...

Congratulations Edmund! Thanks for the kind mention of my along your journey.

[Like](#) ·  2 | [Reply](#) · 1 Reply



Sandra Schulze • 1st

Graphic Recorder und Illustratorin

6mo ...

Thanks a lot, **Edmund**, for mentioning my work. This is very kind, and I'm more than happy being able to contribute!

Like · 2 | Reply



Robert Paulusse • 1st

burobrand

6mo ...

Keep on working visual Edmund. Good to see you also mentioned the book of our colleague **Willemien Brand**, we are all proud of. And I can confirm that we have about the same booklist!

Like · 1 | Reply



Raffaelina Rossetti (She/Her) • 1st
DenkFlow - Digital Scribing and Coaching

6mo ...

Wow, **Edmund**, this is such an amazing visualization of your learning journey. It makes my heart jump to see how you use the lernOS Sketchnoting Guide for your exploration of visual thinking. Maybe you want to consider to contribute an article about your experience during or after the circle, just let me know. We, the co-author team, are collecting voices of the community on this website lernos-sketchnoting.net.

Like · 2 | Reply · 1 Reply

Our #learnos session in week 12 starts with the questions: “What’s next? What do you plan to do next?” - We found an answer: week 13. And here are some ideas for our future meetings.

New Learning means networked learning.

Soulshine Selfie

Kata 19 in week 9 from our lernOS journey offers a very personal exercise for sketchnoting:

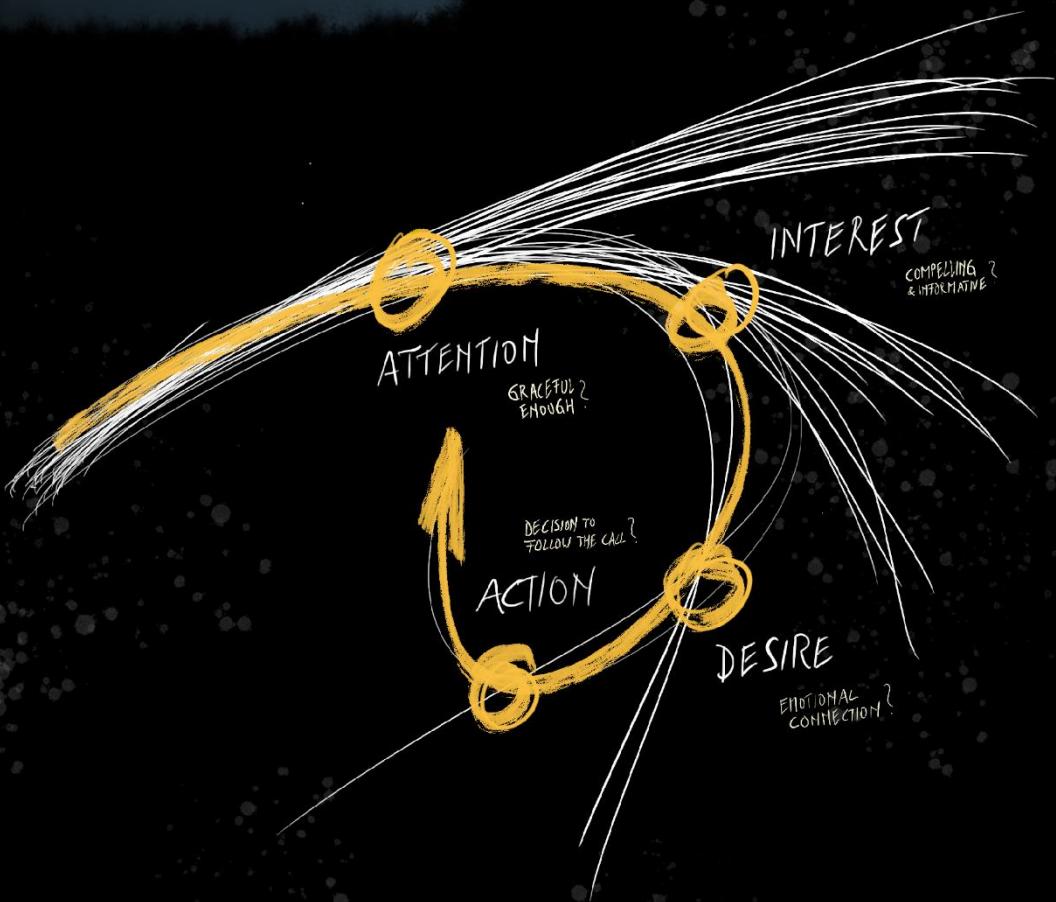
„Create a sketchnote of things you like, love, and simply appreciate in your life.“

The idea behind is to make transparent the things that consciously make you happy in your every day life.

Surprisingly I started my sketchnote using colors. Drawing figures and symbols was not in my focus.

AIDA for SKETCHNOTES

FOUR STAGES WHEN VIEWING A SKETCHNOTE



4 Stages of Viewing

The AIDA model stands for **ATTENTION**, **INTEREST**, **DESIRE** and **ACTION**. It is an advertising effect model that identifies the stages that an individual goes through during the process purchasing a product.

When we are looking at our sketchnote it works the same:

- If it is graceful enough, it grabs our attention.
- If it is compelling and informative, it grabs our interest.
- If it establishes an emotional connection, it leads to desire.
- If it supports our decision to follow the call, it leads to action.

Let us have a look on my own sketchnotes: Can you find all these four stages of viewing clearly represented?

Do you want to learn more about the AIDA² model? Will it help you to improve your own sketchnotes?

² (SimpleShow 2019): <https://youtu.be/lia8tjLdwqk>

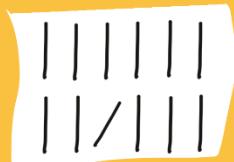
7 Gestalt Principles

1. Principle of proximity.
2. Principle of closure.
3. Principle of similarity.
4. Principle of continuity.
5. Principles of perception.
6. Principle of organization.
7. Principle of symmetry.

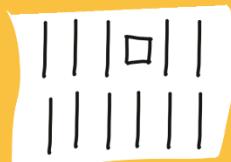
Gestalt Principles are principles/laws of human perception that describe how humans group similar elements, recognize patterns and simplify complex images when we perceive objects. Designers use the principles to organize content on websites and other interfaces so it is aesthetically pleasing and easy to understand.

12 PREATTENTIVE ATTRIBUTES

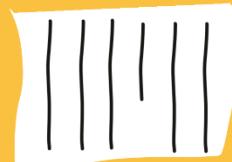
USED IN SKETCHNOTES



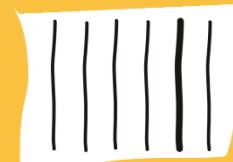
ORIENTATION



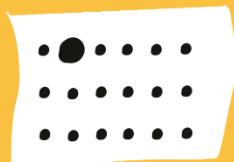
SHAPE



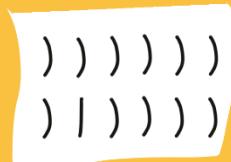
LINE LENGTH



LINE WIDTH



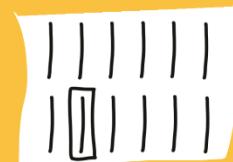
SIZE



CURVATURE



ADDED MARKS



ENCLOSURE



HUE



INTENSITY



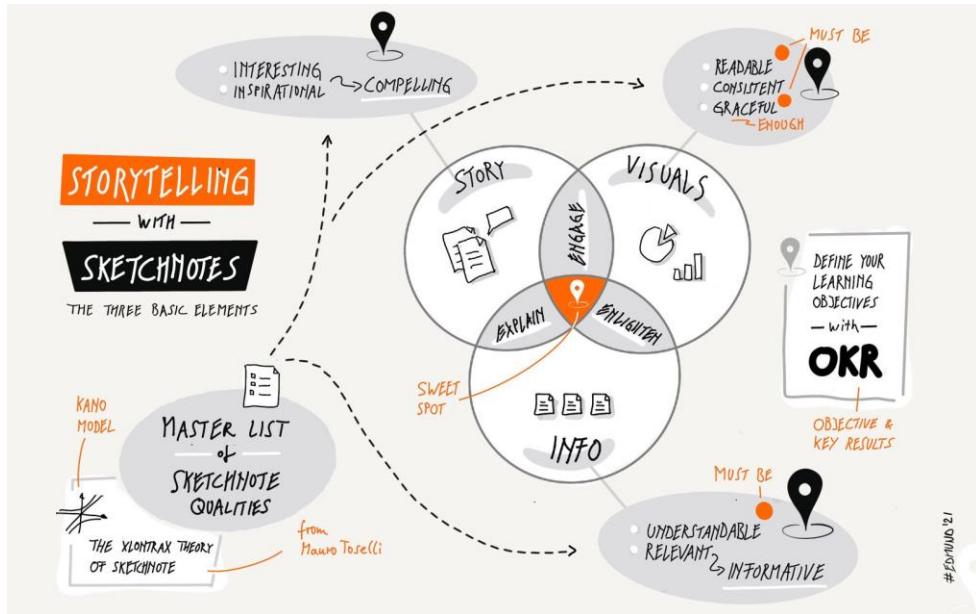
SPATIAL POSITION



MOTION

12 Pre-attentive Attributes

DRAFT



Story Telling

How to define your learning goals within a lernOS circle?

I'm a great fan of Mauro Toselli and his "The Xlontrax Theory of Sketchnote"³.

Why not combining it with the three basic elements from "STORYTELLING with DATA" and the OKR principles using objectives and key results?! Here it is :-)



xlontrax Edmund! This is an outstanding sketchnote!!! Thank you so much, I'm so honored and humbled



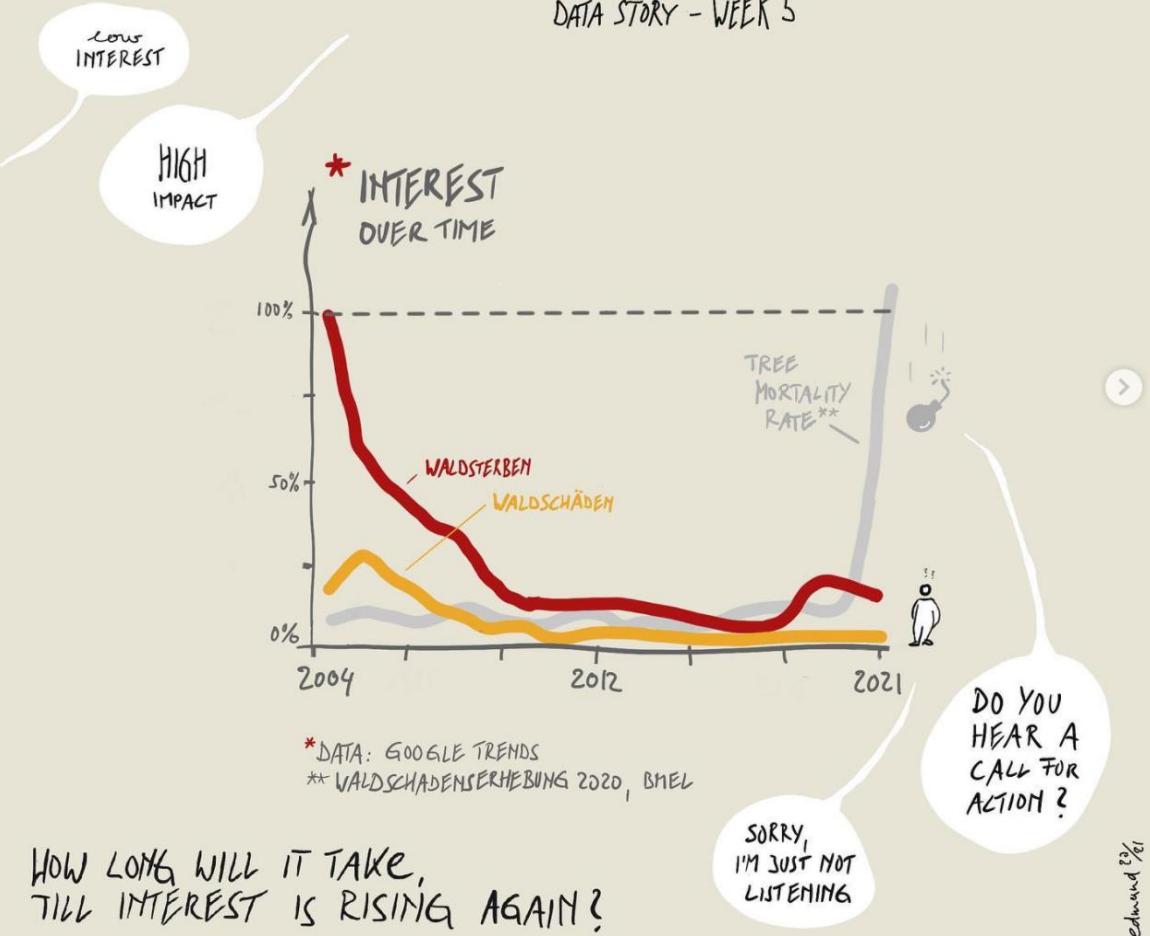
³ (Toselli 2016): <https://www.maurotoselli.com/blog/the-xlontrax-theory-of-sketchnote>

Today I learned a bit more about background colors and visual hierarchy. Great insights came from Catherine Madden and her e-book about Sketchnoting. 2,29€ were a good investment to improve my sketchnote skills ✎ ↗ 😊

More about: <https://lnkd.in/dvTMRxd>

:lernos[®] SKETCHNOTES

DATA STORY - WEEK 5



Our Trees Need More Attention

I recently discovered the report on the forest condition survey.
Here the data on the mortality rates on page 44 are “hidden” in an inconspicuous diagram. - GRAY

Surprisingly Google trends is showing a decreasing interest for the search terms “Waldsterben” and “Waldschäden”. - RED & AMBER

How long will it take, till our interest is rising again?

	READ	LISTEN	VISUALIZE	PRESENT
R	v	v	v	v
L	v	v	-	-
A1	v	v	v	v
A2	v	v	-	-
C2	-	-	-	-

CEFR*
-LEVEL

KEY
MESSAGE

EMOTION

KEY
CONCEPTS

QUOTES



READING

WORDs
KEY-VISUALS
/ QUOTES

VERBAL
/ VISUAL
PRESENTING
INTER-ACTIVE

VISUALIZING



SKETCHNOTES
AS A
2nd LANGUAGE

What is
your
proficiency
level?

Second Language

Sketchnotes as a second language

The idea of practicing “drawing as a foreign language” to increase my visual vocabulary came to me by [@unlock.the.talk Lai Chee Chiu](#) at Instagram.

Great concept. It helps to give me some orientation for my own learning journey. Are there parallels to a spoken language? Is there a learning path like the CEFR, the Common European Framework of Reference for Languages? Starting at level A1 as a beginner and hopefully develop to level C2 becoming a proficient user?

Do not take my ideas to serious. It is more or less my favourite game playing with concepts. But at the end, answer one question to yourself: “What is your proficiency level?”

Open for Experiments

FIND SKETCHNOTES YOU ADMIRE, EXTRACT IDEAS AND PRACTICE THEM -

ANIA STASKIEWICZ⁴



DO SOMETHING DIFFERENT - SHEENA MAYS

⁴ (Staskiewicz 2021):

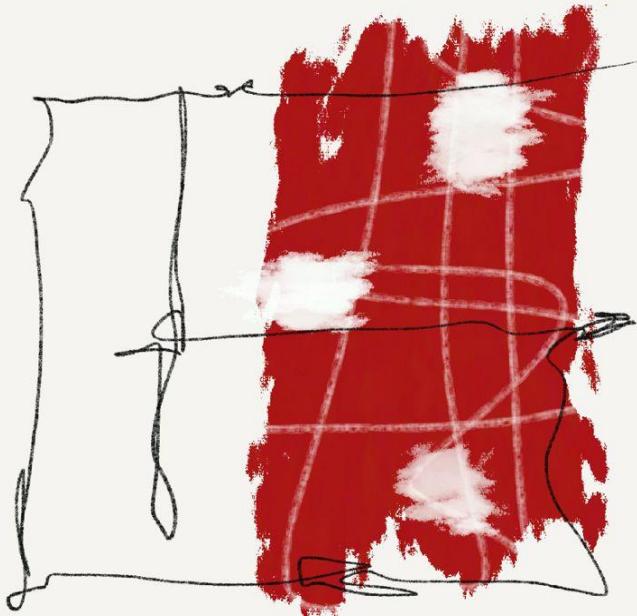
<https://sketchnotearmy.com/blog/2021/2/22/ania-staskiewicz-se09-ep04>

Hand Lettering

Graffiti

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KATA 6 - WEEK 2



WE LEARN BY COPYING.
WE ADVANCE THROUGH INTEGRATION.
WE MASTER BY TAPPING INTO OUR OWN SOURCE.

- KELVY BIRD

Abstract Paintings

My Favourite Quote "We learn by copying"

Today I was taking a step back to our lernOS week 2. Lettering my favourite quote from Kelvy Bird . Changing style and color means entering a new world.

CREATING LAYERS IN ABSTRACT PAINTINGS -LEARNING ABOUT
VALUE PART 2

lori mirabelli

<https://youtu.be/ELa2fExrFPY>

Creating layers in abstract paintings adds interest, depth, and complexity to your artwork which will make your viewer want to gaze at your paintings for longer. This is another exercise in learning about value to practice so you can improve your skills, whether you are already a painter or wanting to learn to paint. The first video in this series titled "How to paint abstract paintings - Art Lesson on value part 1" discusses the importance of value in creating art and how to train your eye to see value by only using black and white. The reason we use a black and white palette when we are still learning value is when we remove the colour our eyes are able to see value much more easily. When creating interesting compositions using the black and white method comes easily to you then you can move to introducing one colour. You lesson here is to now create layers using one colour that will be filled with different values using tints and shades to eye your eye on journey. These little exercises in painting will certainly enhance your skills when it comes time to create abstract art. Remember the idea of these tutorials is not to copy the

painting on this video but practise creating your own interesting composition using your tools.

One Line Art

lernOS® SKETCHNOTES



14.08.21
13:44 h
ÅSGÅRDSTRAND, NORWAY
MUNCH'S CAFE & RESTAURANT

#Eduard

Urban Sketching

Munch's Cafe

It's easy to forget the rain, when using blue for painting the sky.

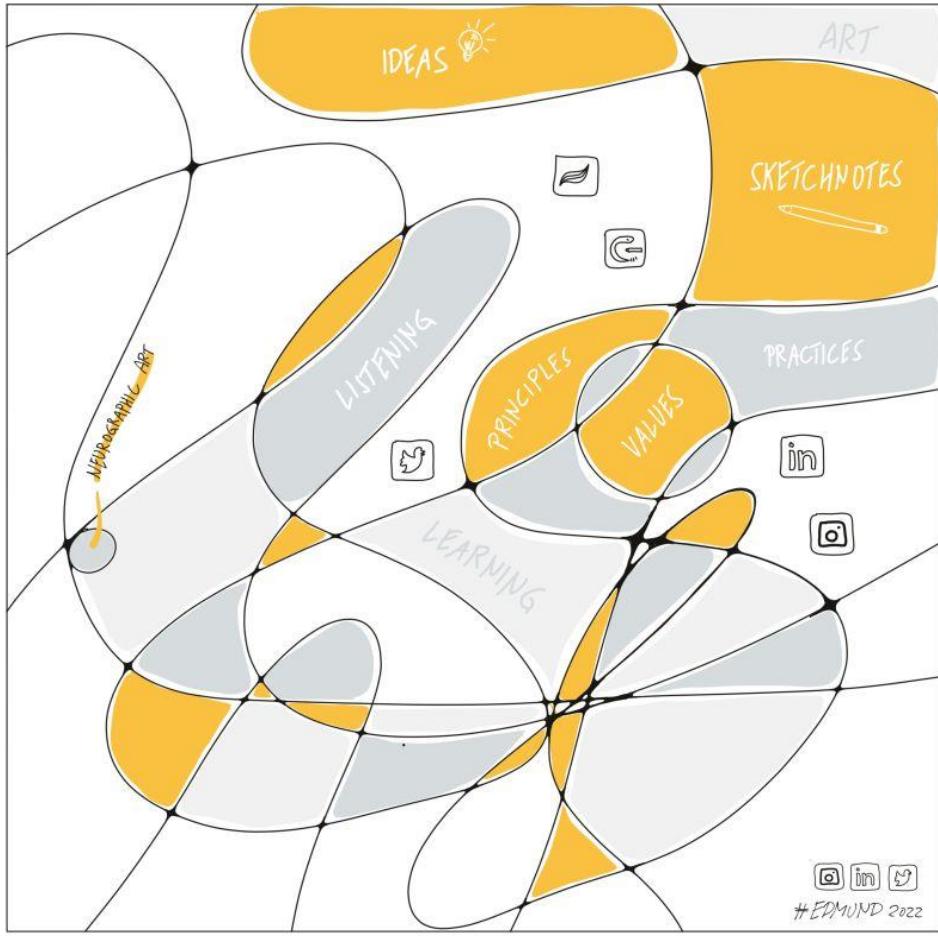
My Procreate brush: Oberon.

Sketchnoters Holiday

This summer I've started urban sketching for the first time. For me it's much more relaxing than Sketchnotes where time pressure is always part of the game.

My Procreate brushes: Currawong and Oberon.

Mind Mapping



Neurographic Art

As a sketchnoter I learned to value the use of „Neurographic Art“ from Pavel Piskarev to find a good mental state to start my drawing. A second method is „Mind Mapping“ I learned from Tony Buzan to sort my ideas to reduce confusion. To communicate the results of my thinking „Sketchnotes“ from Mike Rohde are my favourite tool. Using these three methods step by step are defining an extremely useful process I prefer to work with.

Today I experimented with some kind of shortcut: I started with „Neurographics“, added my keywords I otherwise would have used in a „Mind Map“ and finished the drawing with some elements from „Sketchnoting“.

Here 's my first „Neurographic Sketchnote“.

More about neurographic art:

- Neurography was discovered and developed by Pavel Piskarev⁵, a Russian psychologist and creativity entrepreneur.
- Neurographic Art Tutorial : Mindfulness in Art at YouTube⁶:

⁵ (Piskarev 2014): <https://www.piskarev.ru>

⁶ (Thiele 2020): <https://lnkd.in/ecst6NAH>

2

Everybody
can
draw

- NADINE ROBA



#EDMUND'2021

VISUAL DOING



EVERYBODY CAN DRAW – NADINE ROŠA⁷

The quote #2 from my second book about sketchnoting. For me, a great motivation to start.

The process:

1. Focus On Listening
2. Select and Reduce
3. Start with Handwriting
4. Draw Visual Elements
5. Polish Your Artwork
6. Optimize Your Process

⁷ (Roša, Visuelle Notizen für Alles 2017)

7. Benefit From Digital Tools

Focus On Listening

PRACTICE ACTIVE LISTENING - ELEANOR BEER

FOCUS ON LISTENING, NOT ON THINKING - MARTINA GRIGOLEIT

Video sketching - Just one step closer to Graphical Recording

For me graphic recording is like simultaneous interpretation. It is when an interpreter translates the message from the source language to the target language in real-time. Here with a visual language as target. But listening, translating, and drawing in real-time is really, really hard. I prefer video sketching. So, there is always a start/stop button you can use whenever needed. Here I'll show you my personal trial with one of my favourite TED talks from @juliantreasure Julian Treasure. Do you like my sketchnote? Then watch the TED video, it is even better. Much, much better, it is amazing. You'll never forget Julian's messages from his talk.

<https://youtu.be/-BdbiZcNBXg>

Wir hören viel darüber, in der Öffentlichkeit gut zu sprechen, aber sehr wenig über die Kunst anderen richtig zuzuhören.

The power of listening

<https://youtu.be/saXfavo1OQo>

William Ury explains how listening is the essential, and often overlooked, half of communication. His stories of candid conversations with presidents and business leaders provide us with impactful lessons, such as understanding the power of a human mind opening up. He asks us to join a listening revolution and promises that if we all just listen a little bit more, we can transform any relationship.

The Art of Listening | Simon Sinek

<https://youtu.be/qpnNsSyDw-g>

Claus Otto Scharmer: Zuhören ist nicht gleich zuhören

<https://youtu.be/VZ7VTQeJaEo>

Deep Listening what is it: levels of listening

<https://youtu.be/RliSOOnR1Xtc>

Sketchnotes Listening Comprehension Tips

<https://youtu.be/KtQtSPdnz30>

Sketchnotes - How to speak so that people Listen

<https://www.youtube.com/watch?v=mHh55Gb084M>

Select and Reduce

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WEEK 2 - KATA 7: LETTERING

ARCHITECT

A B C D E F G
H I J K L M N O P
Q R S T U V W
X Y Z

PROCREATE SCHRIFT 3%

A B C D E F G
H I J K L M N O P
Q R S T U V W
X Y Z

PROCREATE MONOLINE 1%

A B C D E F G
H I J K L M N O P
Q R S T U V W
X Y Z

RAD & HAPPY BRUSH 1%

A B C D E F G
H I J K L M N O P
Q R S T U V W
X Y

GROINSKI-TUSCHE 5%

NATIONAL PARKS

A B C D E F G
H I J K L M N O P
Q R S T U V W
X Y Z

PROCREATE SCHRIFT 3%

BRICK

A B C D E F G
H I J K L M N O P
Q R S T U V W
X Y Z

RAD & HAPPY BRUSH 1%

BRUSH

A B C D E F G H
I J K L M N O P
Q R S T U V W
X X Y Z

PROCREATE SCHRIFT 3%

NEULAND HAND

A B C D E F G H
I J K L M N O P
Q R S T U V W
X Y Z

PROCREATE BAMBUS 5%

HANDWRITING IS YOUR VOICE
MAKE IT EASY TO LISTEN

Start with Handwriting



HANDWRITING IS YOUR VOICE. MAKE IT EASY TO LISTEN – EDMUND
GRÖPL

Lettering Journey with Procreate. Improving my sketchnoting skills means also improving my handwriting. It always should be fast and with a high readability. On my PC I would choose a suitable font.

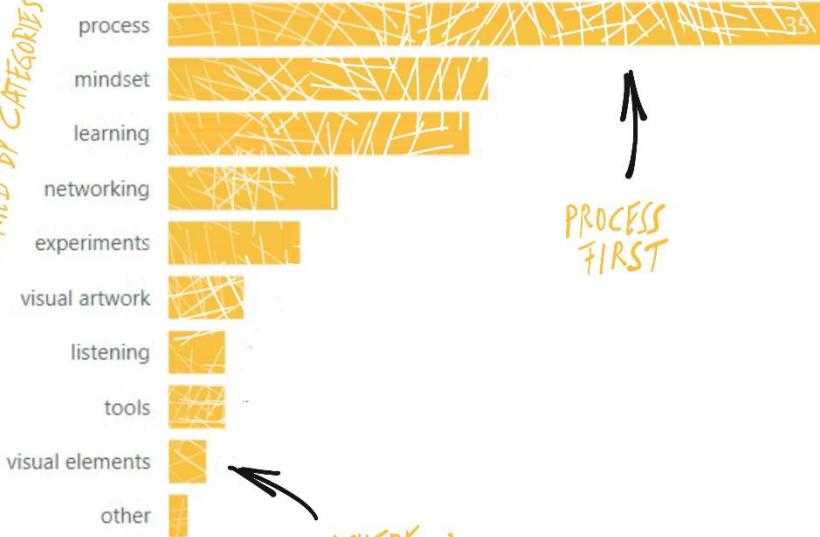
Lettering by hand means choosing a proper lettering style.

Procreate offers more than 200 brushes, but then you have to choose the right one, choose a lettering style and last but not least take some hours of training. Each letter has to be drawn by hand.

I would be thankful for each and every hint of you to find a perfect brush or brush set with fits to a lettering style useful for Sketchnotes.

QUOTES FROM GREAT VISUAL THINKERS

SORTED BY CATEGORIES



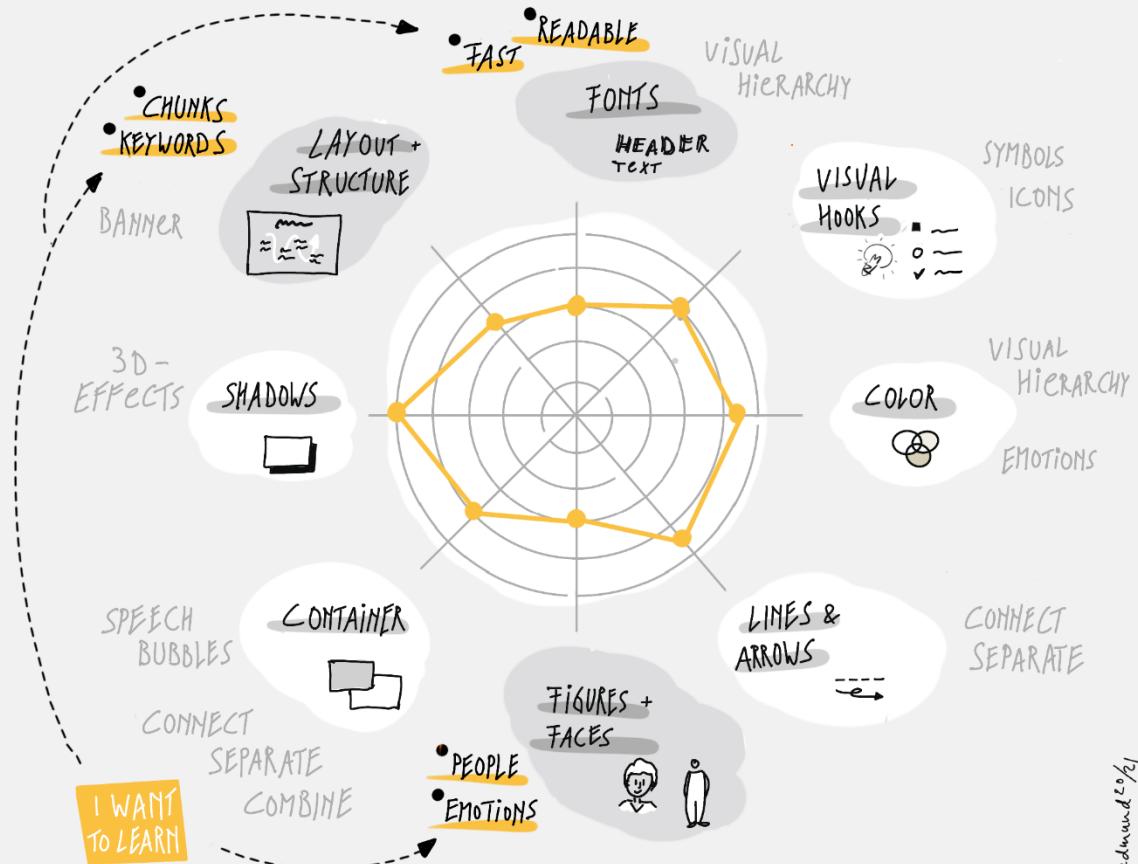
WHERE I
STARTED
WITH



I 'm a quote collector and a data scientist. So why not sorting all these magnificent quotes about visual thinking by relevant categories? To my surprise „process“ is number one. So, learning from quotes means learning about the process. Is it true?

VISUAL

Sketchnote Elements



Draw Visual Elements



COLOUR - LESS IS MORE - MARTINA GRIGOLEIT

NO PICTURE PUZZLES - MARTINA GRIGOLEIT

INCLUDE HAND-DRAWN ELEMENTS IN YOUR SLIDES - PADDY DHANDA

On Friday I got some more ideas to improve my sketchnoting skills. There are three: structure, faces and finally my handwriting. And I am sure, handwriting will be my hardest goal.

#lernOS week eleven uses a reflection grid in Kata 23 to show the progress within the learning journey. Focus was on (1) Fonts, (2) Layout & Structure and (3) Figures & Faces. At the end a little progress was visible.

But surprisingly I was able to reach goals without defining them. So, I learned a lot about using digital drawing tools like (4) Procreate and Concepts. Also, my first steps with Urban Sketching where a wonderful experience for me.



Lines & Arrows

The idea of practicing “drawing as a foreign language” to increase my visual vocabulary came to me by @unlock.the.talk Lai Chee at Instagram.

Great concept. Maybe it helps to give me some orientation for my own learning journey. Are there parallels to a spoken language? Is there a learning path like the CEFR, the Common European Framework of Reference for Languages? Starting at level A1 as a beginner and hopefully develop to level C2 becoming a proficient user?



Don’t take my ideas to serious. It’s more or less my favourite game playing with concepts. But at the end, answer one question to yourself: “What is your proficiency level?”

Containers

Colours



COLOUR IS A POWER WHICH DIRECTLY INFLUENCES THE SOUL - WASSILY
KANDINSKY

Shadows

Visual Hooks

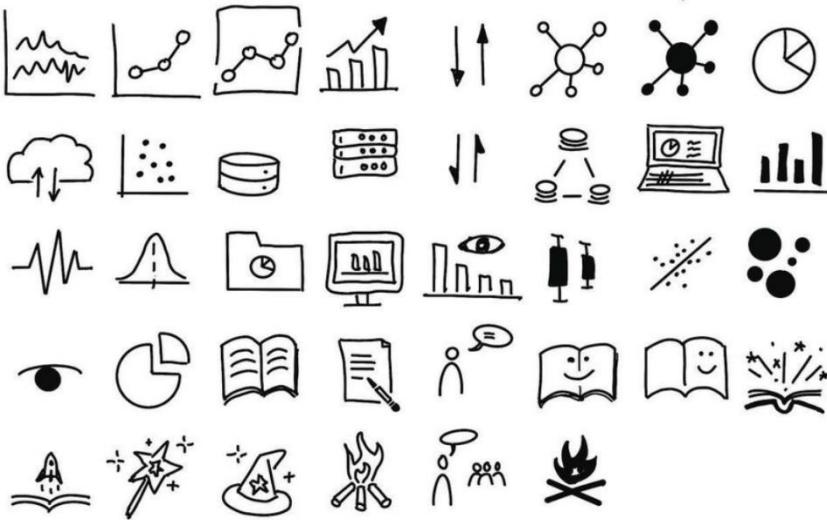
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etc

lernOS[®] SKETCHNOTES

KATA 12 - WEEK 4



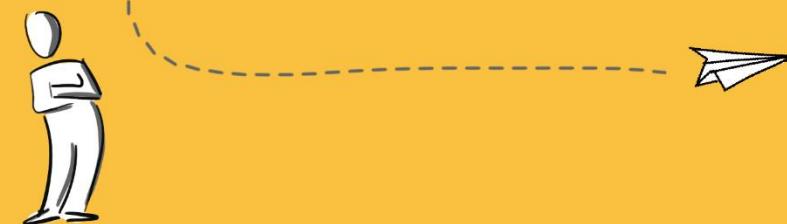
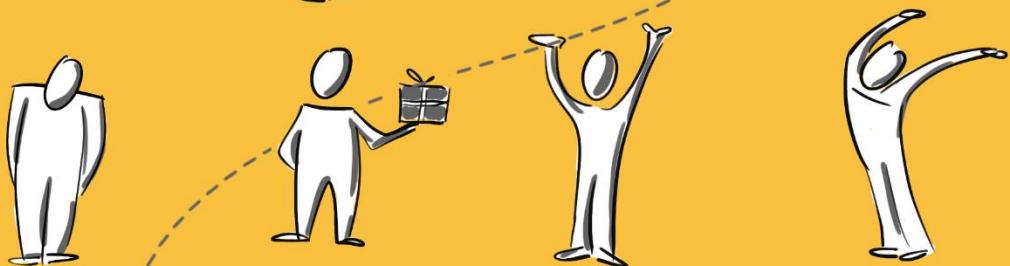
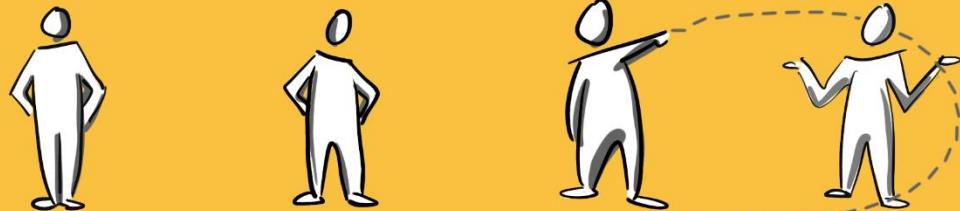
DATA VISUALS
STORY

Objects

Symbol Library “Data Science & Storytelling” - Why not creating an image library for my own topics? I started sketchnoting with a very limited visual vocabulary. One for a “person”, one for a “team” and a third for an “idea”, the famous UZMO lightbulb. That should be enough for a beginner.



But “talking” data science with sketchnotes is much easier using some of these more specific icons and symbols.



Figures & Faces

I just have a new no. 1 on my reading list. It's all about drawing figures and faces: „Figuren zeichnen“ from Heike Haas M.A.

It starts with easy drawings for beginners like me and motivates to follow with small inspirational steps to improve my drawing skills.

I'm now on page 34. And it's still the beginning of a fascinating learning journey.

Looking back to May 2021, drawing figures & faces was on my list of key elements for sketchnoting. 2022 will be a good year for further improvement.

Aufgabe 4
Woche 2

GESICHTER

VHS Frankfurt, Sketchnotes Digital
mit Angelika Ullmann



???

Visual Metaphors

Quotation

Polish Your Artwork

give the final touch

spellchecking

rewriting

deleting

cleaning up

Reorder

Set Focus

3

ORGANIZE YOUR CANVAS
IN ADVANCE, SO YOU CAN
FOCUS ON THE MOMENT.

- BENJAMIN FELIS



#EDMUND'2021

Optimize Your Process



**ORGANIZE YOUR CANVAS IN ADVANCE, SO YOU CAN FOCUS ON THE
MOMENT - BENJAMIN FELIS**

SET UP CONSTRAINTS FOR YOURSELF - DOUG NEILL

WRITE FIRST, THEN DRAW - DIANA MEIER-SORIAT

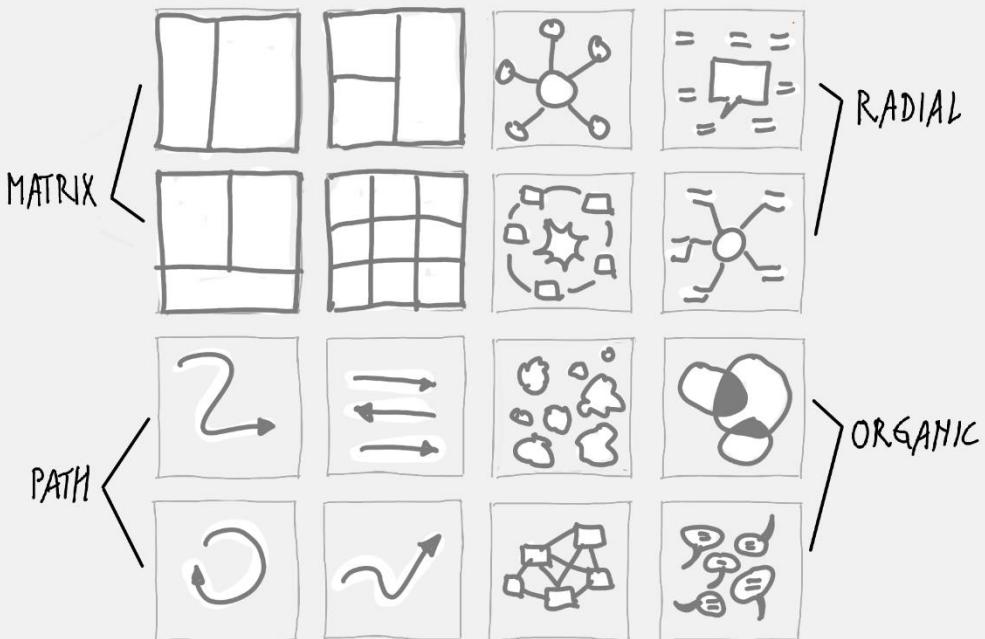
BE SYSTEMATIC IN YOUR VISUALIZATION STYLE - MARTIN HAUSSMANN

I didn't believe it in the beginning. But I could learn from Benjamin Felis.

Preparation

lernOS[®] SKETCHNOTES

KATA 13 - WEEK 5



BASIC LAYOUT
STRUCTURES

Layout & Structure

What do I know about layouts? - For me it's the main question lernOS sketchnoting comes up with in week 5. Which layouts do I know? Which are the basic rules working with layouts? Which layouts I'm already using? Which layout do I always wanted use? ...

It's like watching an iceberg. Only 10 to 15% are visible. I've just started to learn more about layouts to explore more of the hidden principles. But it seems to be a long journey. ;-)

TIME TO DRAW



10 SEC



10 MIN



#EDMUND'2021

Time

When time matters. Here is my personal test for drawing with a stopwatch. Is it readable? Is it graceful enough?

Not only for your handwriting: You have to decide between speed and readability. And with every drawing you will become faster and faster.

But digital tools will help you. There is no reason to redraw every icon and figure repeatedly. Building up your own digital library is always a practical choice.

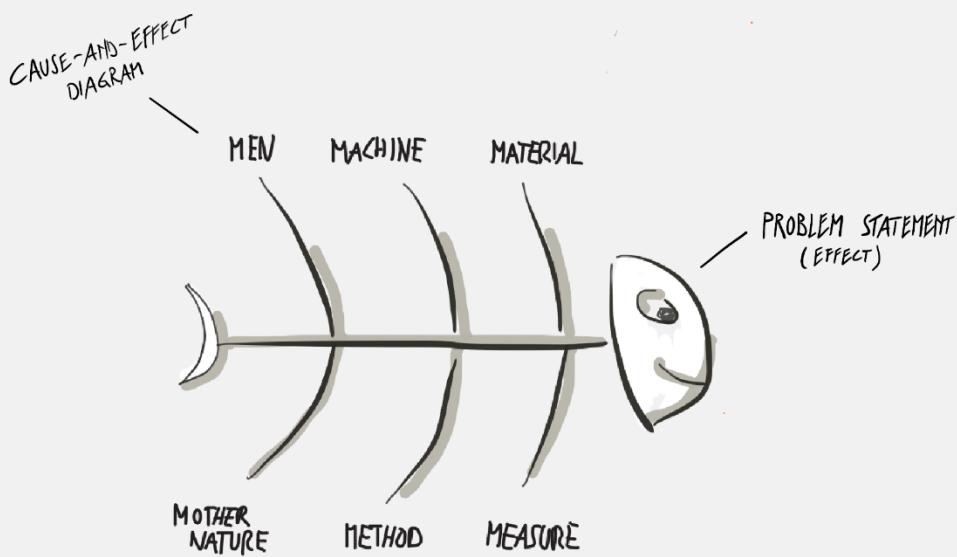
Icon Library



BUILD YOUR OWN ICON LIBRARY - DEBBIE BAFF

lernOS[®] SKETCHNOTES

KATA 13 - WEEK 5

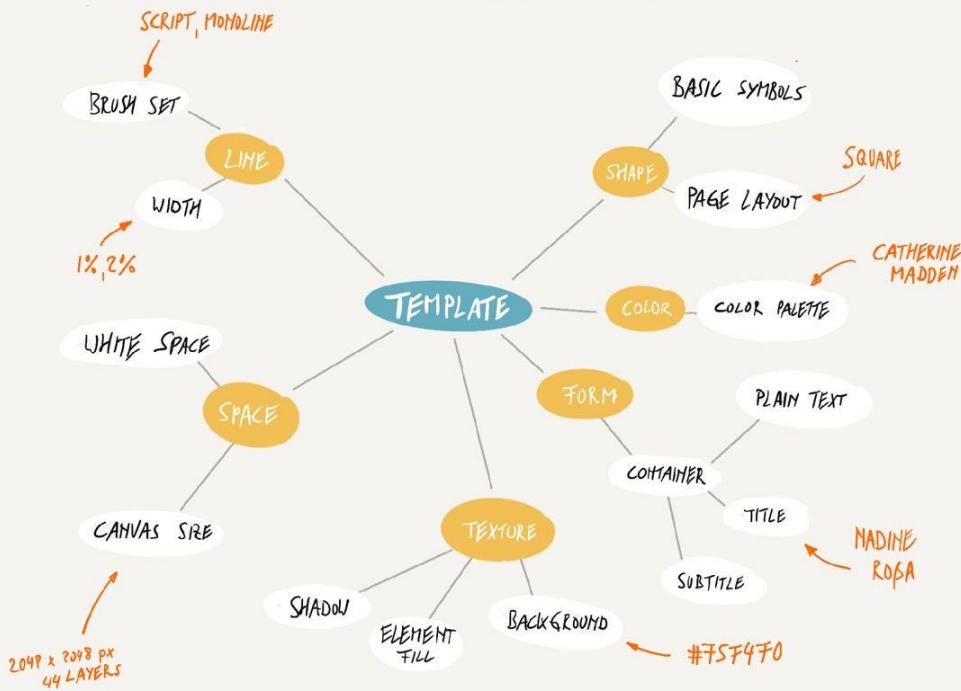


ISHIKAWA FISHBONE

LAYOUT

lernOS[®] SKETCHNOTES

KATA 13 - WEEK 5



MINDMAP LAYOUT
CLASSIC

Templates

Working with sketchnote templates

Our learning journey at lernOS sketchnoting in week 5 has one major focus: layouts for sketchnotes. Which layouts do I already use? Do I practice a certain style? What are the elements of my personal style?

Working digital also has the benefit using templates with some predefined elements.

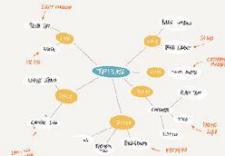
With a pre-developed sketchnote layout it's easy to make new sketchnotes with a similar design, pattern, or style.

What's your experience with templates? Useful? Hate it?

lernOS[®] SKETCHNOTES

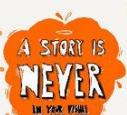


 lernOS[®] SKETCHNOTES



TEMPLATE

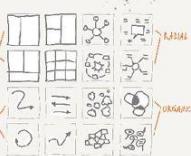
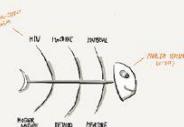
2



IT'S **ALWAYS** IN THE
HEAD OF YOUR AUDIENCE.

QUOTE

OBJECTIVES



15

1516
shop

SHOPPING
LIST

- ☒ VISUAL DOING, VISIBLELY STAND
- ☒ AS YOU VISUALLY SEE
MATERIALS AND INFORMATION
- ☒ TELL ME, THINK PICTORIAL

VISIONS

60



Process Models

Week 5 is Our Major Layout Week

We live in week 5 of our lernOS cycle. We are stuck here and we still don't know when we can leave. But, good news, I have plenty of time to learn more about layout.

I started reading the book from Kelvy Bird @kelvybird about "Generative Scribing - A social art of the 21st century". Now on page 20 I'm a little confused about the amazing concepts building a model of practice for scribing, the art of visually presenting ideas while people talk.

To come a little closer to Kelvy's ideas I started to listen to my own voice using one of my latest sketchnotes and adapted some of the style elements and brushes she used in her drawings.

Also it's not generative scribing at all it changes my view on the topics from our creative process at lernOS.

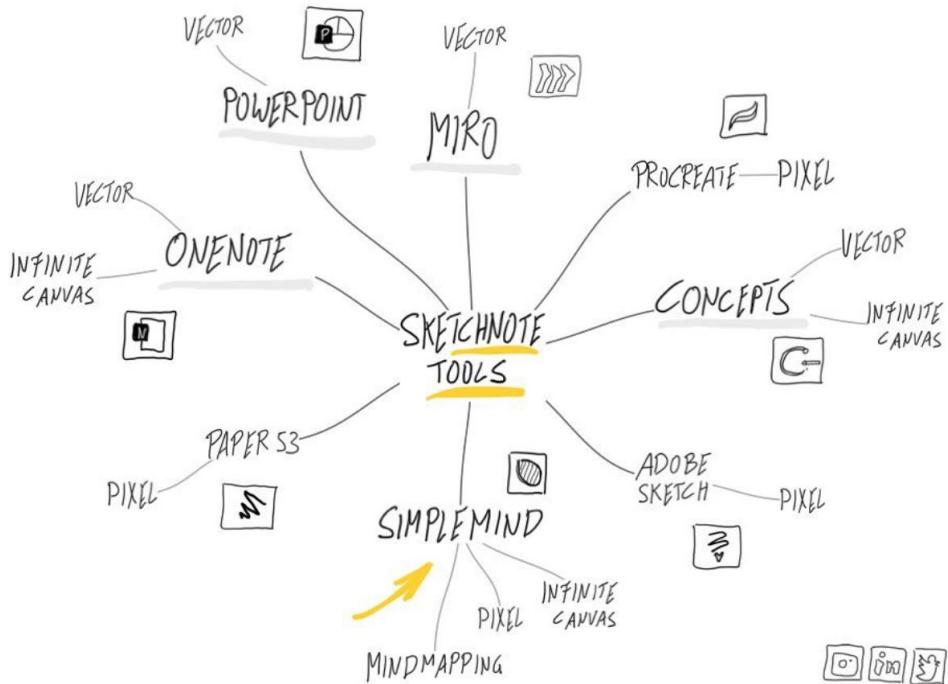
More

about: https://www.instagram.com/p/CQUD9J_rkGd/?utm_medium=copy_link

Sketchnote Style

For my learning journey with lernOS I decided to focus on small changes to improve my basic style step by step: Improving readability, visuals, symbols etc.. Surprisingly with week 5 and the main topic layout, a break becomes visible. I didn't like my old sketchnoting style any longer. So I started more experiments with new pencils, transparent colors, zoom and resize options and last but not least a new color palette.

I have no idea where the next steps in learnOS will lead me thru.



#EDMUND2021

Benefit From Digital Tools



GET A NEW PEN - MARC GUTMAN

THE PAINTER DRAWS WITH HIS EYES, NOT WITH HIS HANDS - MAURICE GROSSER

YOU ARE YOUR MOST IMPORTANT TOOL - MARTINA GRIGOLEIT

I started digital sketchnoting with Paper53®, Adobe Sketch® and Procreate®. But now I surprisingly prefer vector-based tools like PowerPoint®, OneNote®, Miro® and Concepts®. It's also great fun

to use a mind mapping tool like SimpleMind®⁸ to create structured mind maps like this one.

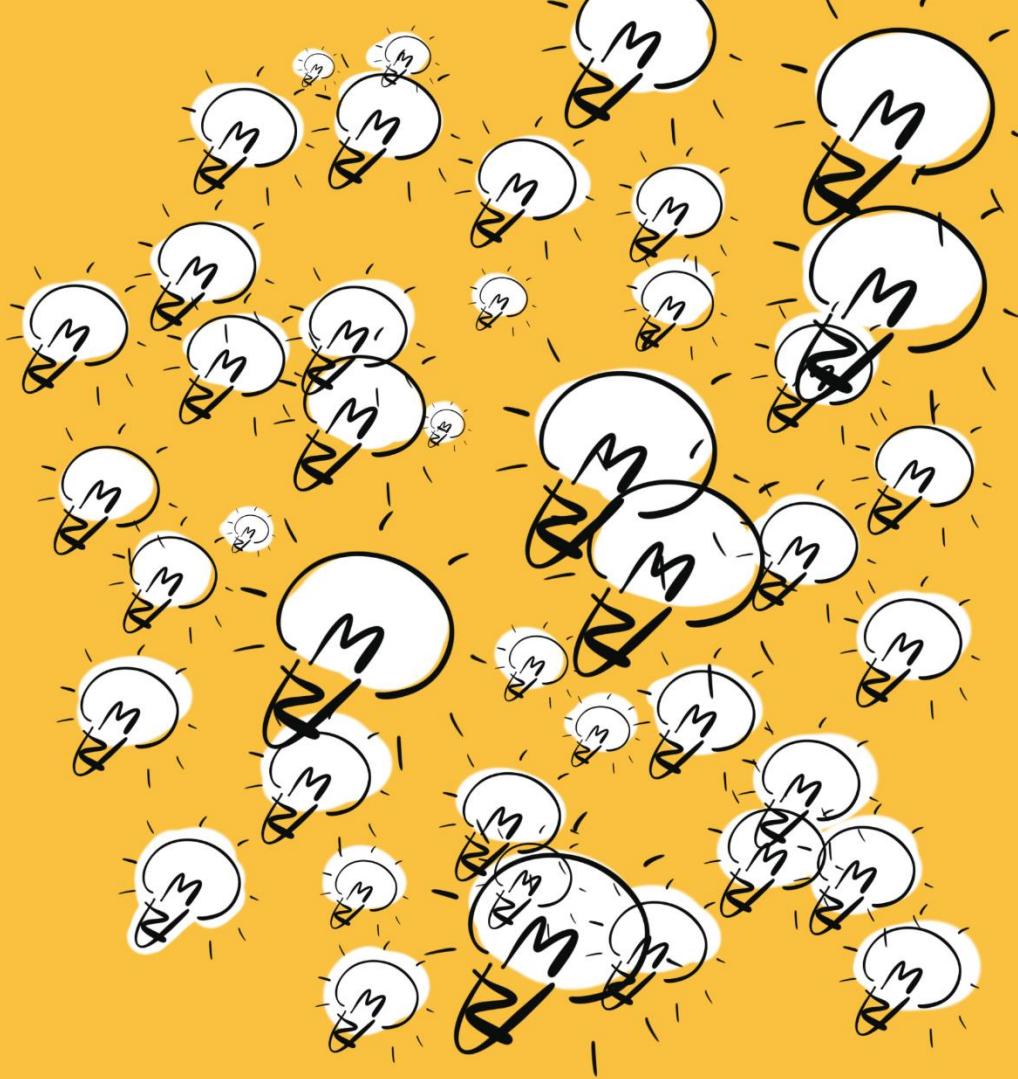
- Die App mit den schönen, anpassbaren Pinselspitzen?
- Die Cloud-App, die gleichzeitig ein partizipatives Collaboration-Tool ist?
- Die kostenlose App, die tolle Ebenenfunktionen auch auf Windows bereitstellt?
- Die Vektor-App mit den unendlich skalierbaren Bildern?
- Die App, die als Teil eines Organizers deine Gedanken aufzeichnet?
- Die App, die du nach 5 Minuten bereits souverän bedienen kannst?

⁸ (SimpleMind 2021):

<https://www.youtube.com/watch?v=i79VqhShVww>

My favourite tools:

- Procreate®
- Concepts®
- OneNote®
- PowerPoint®
- GoodNotes®
- SimpleMind Pro®
- Paper53®
- Miro®



Procreate

Stamps

Ebenen



Präzision

- Gitter Punktraster

- Einrasten Optionen

- Messen 1:1 mm

- Hilfslinie Bogen

MISTER MAIKEL

SKETCHNOTE

WORKSHOP

STRICHMASS.

| 0,2MM | 0,3MM | 0,5MM | 0,6MM

SONNEN



EINFAMILIENHAUS



LASTWAGEN



APP

SMARTPHONE



DIAMOND



GLÜHBLIRNE



KAN

WA

HOCHHAUS



KAFFEE



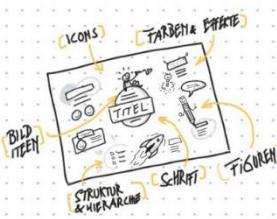
ODER TEE



PERSÖNLICHE

HIGHLIGHTS

ERSTE WOCHE



Concepts

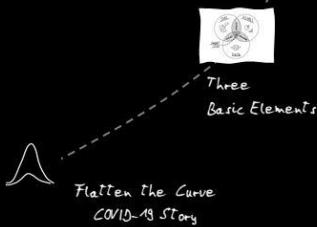
Why not starting from scratch? Also you have some experience in sketchnoting there is always the chance to learn and improve. My idea is to restart with the new book from @mister.maikel Michael Geiß-Hein and also with the drawing tool @conceptsapp . As Maikel proposes: It will need no longer than 6 weeks. So let's start.

OneNote



DIGITAL SKETCHNOTING

Hidden Concepts of Data Storytelling



Flatten the Curve
COVID-19 Story



- 1 Chart Types
- 2 Visual Variables
- 3 Design Principles
- 4 Avoid Pitfalls
- 5 Attention

- The 22 Rules
 - Three Act Structure
 - Business Storylines
 - Storytelling Canvas
-
- A diagram illustrating the Three Act Structure of storytelling. It shows a narrative arc with three distinct acts: "SETUP" (beginning), "CONFRONTATION" (middle), and "RESOLUTION" (end). The arc is labeled "Important moments" and "Time".

Why not telling
your own
Data Story

PowerPoint

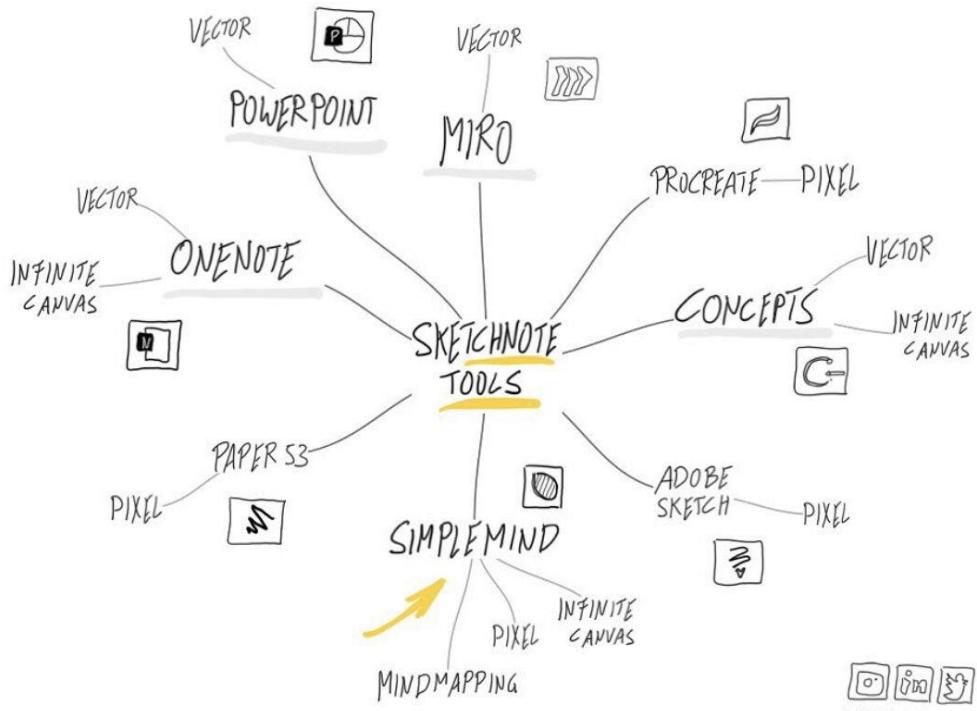
Spike

Did you ever use PowerPoint for sketchnoting? Here my first example.

You want to draw pictures like this? Have a look at Graham Shaw's great presentation at TEDx: https://lnkd.in/eC_7RRjy

Sketchnotes first. - My old way to design a presentation was very easy: collecting ideas, giving them a structure and finally building up my Power Point slides. - Why not starting with a sketchnote first? It shows all major ideas and the overall structure on one page, just from the beginning. Give it a try.

GoodNotes



#EDMUND2021

SimpleMind Pro

I started digital sketchnoting with Paper53, Adobe Sketch and Procreate. But now I surprisingly prefer vector based tools like PPT, OneNote, Miro and Concepts. It's also great fun to use a mindmapping tool like SimpleMind to create structured mindmaps like this one.

More about: <https://lnkd.in/dUCCbfEm>

My preferred mindmapping tool [#simplemindapp](#) now offers an integrated drawing editor. Combining mindmapping and sketchnoting is a great idea for brainstorming.

<https://www.youtube.com/watch?v=i79VqhShVww>

Paper53

Miro

VISUAL ARTIST

WHY, HOW, WHAT

As a

I want to

So that

More:

Roles

- Sketchnoter
- Graphical Recorder
- Visual Facilitator

Sketchnoter

Graphical Recorder

Visual Facilitator

Professional Background

Value Networking

Roles

- Sketchnoter
- Graphical Recorder
- Visual Facilitator

Sketchnoter

Graphical Recorder

Visual Facilitator

Professional Background

My analysis at LinkedIn ... TOP10:

- Graphic Designer
- Illustrator
- Scientist

Graphic Designer

Illustrator

Scientist

4

Share
your work

- MISTER MAIKEL



#EDMUND'2021

Value Networking



SHARE YOUR WORK – MISTER MAIKEL

EXPLORING OTHER VISUAL PEOPLE'S WORK ON INSTAGRAM - MINA

LEGEND

GO FOR IT! YOUR SKETCHNOTE MIGHT ENCOURAGE OTHERS - DEBBIE

BAFF

From @mister.maikel and his great book „Sketchnotes - Dein Workshop“.

...

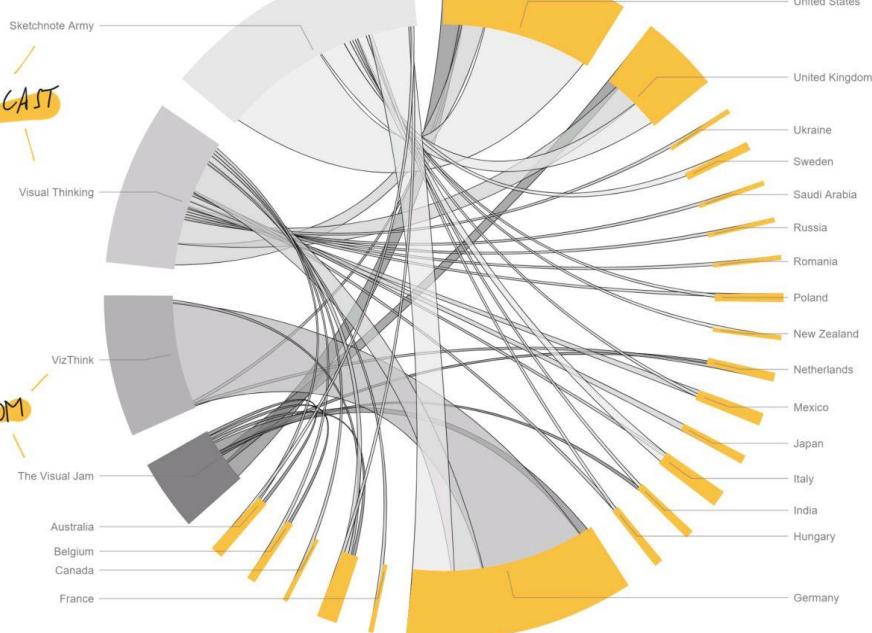
Communities



4 PLACES TO MEET

GREAT **VISUAL THINKERS**

FROM MORE THAN
25 COUNTRIES



4 Hidden Places To Meet

Where to meet all these great visual thinkers I admire for their artwork of creating meaningful sketchnotes?

I found 4 places I wouldn't like to miss. Two of them are about podcasts, the two others are places to connect via Zoom® or Microsoft Teams®. To make it short, I'm just talking about Sketchnote Army Podcast (Mike Rohde), Visual Thinking Podcast (Yuri Malishenko), the Zoom meetings from VizThink (Anna Lena Schiller) and The Visual Jam (Paddy Dhanda & Grant Wright).

What's amazing for me is the number of countries: more than 25! And it's my own preselection by choosing communities communicating in English or German language.

I'm sure you can find even more hidden place of value.

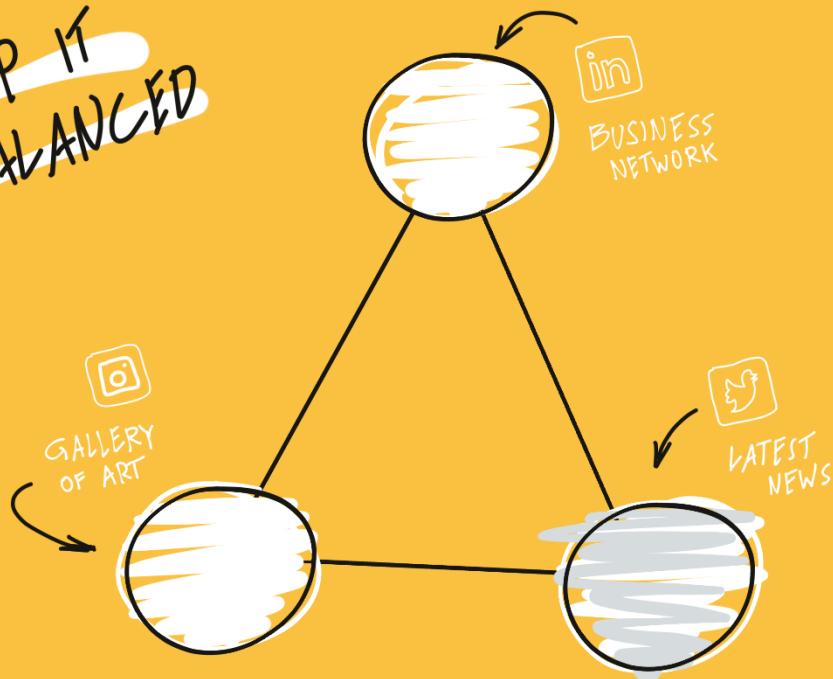
Social Media

- Instagram for Artwork
- LinkedIn for Business
- Twitter for Latest News

TRIANGLE of SOCIAL MEDIA

FOR SKETCHNOTERS

KEEP IT
BALANCED



The Magic Triangle

Looking for ideas and inspirations for sketchnoting I asked Google for help. It showed me an unlimited number of artwork and I was more than happy with the search results. What I recognized step by step was that some of the drawings were more others less motivating for me. And I learned to value the way of drawing and thinking shown by my growing list of favourite sketchnoters.

So, my search strategy changed. I was no longer searching for artwork; I was searching for artists. Google was getting less important, social media was my primary source of value.

And I will share a second learning which helps me staying organized with social media. There is a magic „Triangle of Social Media for Sketchnoters“. Following sketchnoters at LinkedIn®⁹ will show you their business network and activity. You can see their business

⁹ LinkedIn: <https://www.linkedin.com>

focus and reputation. Instagram^{®10} is more visual. It's a gallery of art. So why using Twitter^{®11} in this triangle? I like it as a news channel. Getting the latest insights from behind the scenes sets up a more personal contact to my favourite sketchnoters.

You are a sketchnoter yourself? Then keeping it balanced with social media could be a promising idea staying in contact with your audience of visual followers.

¹⁰ Instagram: <https://www.instagram.com>

¹¹ Twitter: <https://twitter.com>

LernOS

Learning from Experts

AND MORE

tbd

Resources

tbd

Books & Social Media

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Style: Chicago

Podcasts

tbd

Communities

Tbd

Warm-Ups

- Squiggle birds

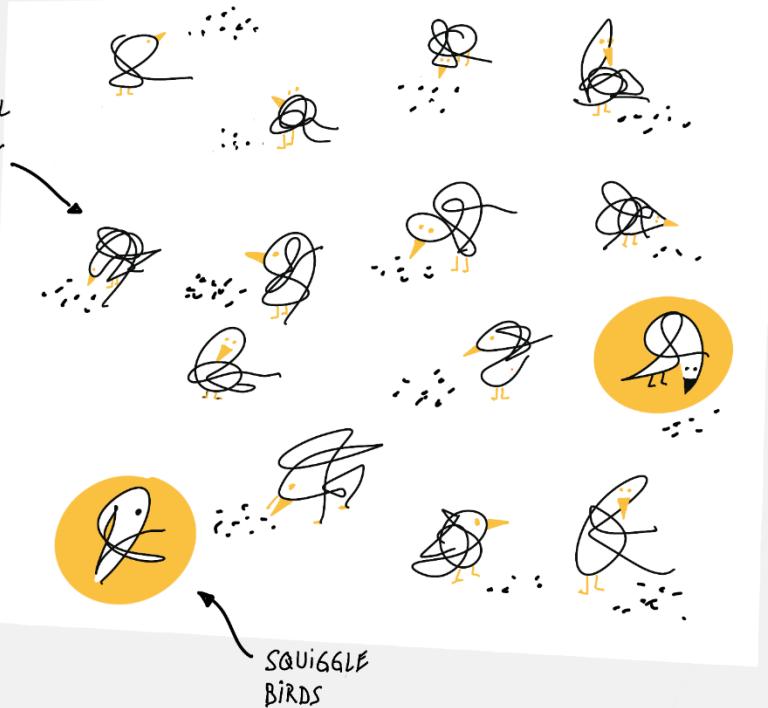
5 Warm Up Routines for Sketchnoters

<https://youtu.be/OFIFn9j933Q>

lernOS[®] SKETCHNOTES

WARM-UP: KRINGEL-VÖGEL

KRINGEL
-VÖGEL



Squiggle Birds

Every lernOS circle starts with a warm-up. Today we were drawing squiggle birds. It's easy and it's fun.

Handwriting

A B C D E F G H I J K L M N O P Q R
S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0

A A A

B B B

C C C

D D D

E E E

F F F

G G G

H H H

I I I

J J J

K

L

M

N

O

P

Q

R

S

T

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V

V

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1

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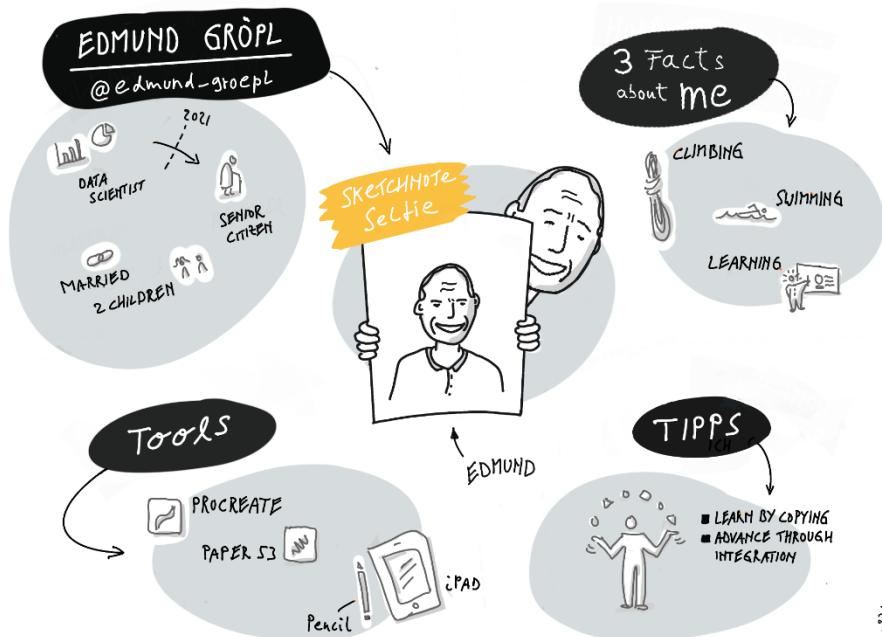
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lernOS® SKETCHNOTES

WEEK 6 - KATA 15: SKETCHNOTE-SELFIE



#edmund_gropl

The Author

First things first I'm a big fan of data analysis and data discover. It's more than an interest for me to make relations between numbers and produce meaningful results. I have a passion for helping teams to become more data-driven and embracing the power of data storytelling.

I have experience more than 7 years on data analysis, reporting, dashboards and more than 20 years on software development, project management and corporate strategy on biggest companies including research, automation and telecommunications industries in Germany.

In my free time you can find me at the climbing gym, swimming long distances and spending quality time with my wife and my family.

So now I combine these experiences with my math and engineering background in here and I am looking forward to sharing my passion and knowledge with you.

Finally, I love Visual Thinking and Digital Sketchnoting!

Rework of my Sketchnote Selfie

Why not reworking an existing sketchnote? In week 6 of our #lernOS journey I had the chance to rework my sketchnote selfie from week 1. Do you see any differences? I'm shure you will recognize the style from Nadine Roßa Not done so perfectly as it is shown in her brilliant book „Sketchnotes - Die große Symbol-Bibliothek“. Also not so nicely as it is shown in her selfie tutorial video from her newsletter presented with a live drawing on iPad using Procreate. But I'm happy if you can recognize her amazing drawing style. Now it's week 6 for me. Hopefully I can develop my own style some years later. For now it's a great

success for me to create a readable sketchnote which is graceful enough for having a closer look at the presented story.

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ABOUT THE BOOK

A FRAMEWORK FOR VISUAL THINKING WITH DIGITAL SKETCHNOTES is a book full of insights for sketchnoters of all proficiency levels. It covers a large scale of concepts useful for sketchnoting on digital devices.

We are learning from great visual thinkers and practitioners about their almost hidden secrets. Understanding the overall context helps to navigate in this field of learning. Going in detail will be the next step. The book provides numerous links to valuable resources you need to keep growing.

ABOUT THE AUTHOR



EDMUND GRÖPL is an enthusiast of digital sketchnoting. He is an engineer working as a professional data scientist. Visual thinking is part of his job. Working with sketchnotes and learning from experts is a great pleasure for him.