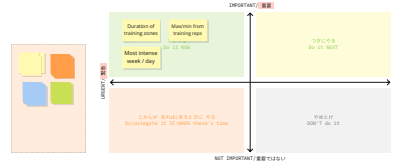
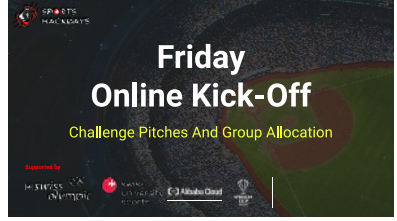
Season Flash

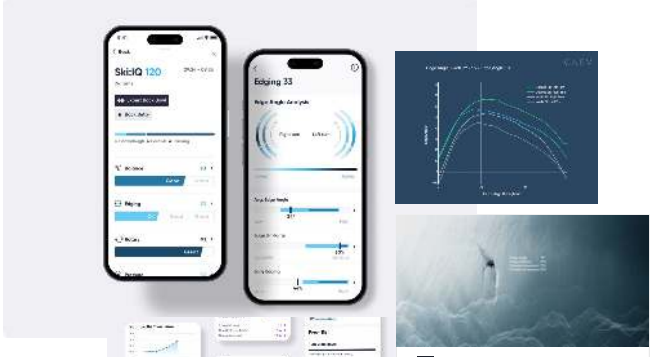
Challenge 5

Notes from Pre-event:
General info
And specific info regarding the athlete
Start with the basic starting information
Tool that is used: A new tool and get a real benefit
Enhancing the data with photos and pictures
Alibaba has a tool for data visualisation
"Processing" is a java like programming language. That is used by animator to create graphics and real time animations
Oleg has create experience with it
Motion Graphics such as adobe graphics
Data about 1 Athlete for one season both for alpine skiing and one cross country
Types of data:
Keep in mind that not all athletes want to show everything
Also introduce some kind of content about their life

Brainstorming Data Aggregations



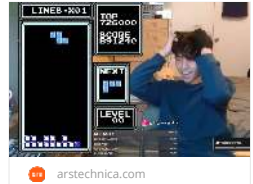




getcarv.com

How Carv turns your skiing into data

Improve your skiing technique with real-time audio coaching. Carv uses pressure and motion analysis to score your technique and help you improve.

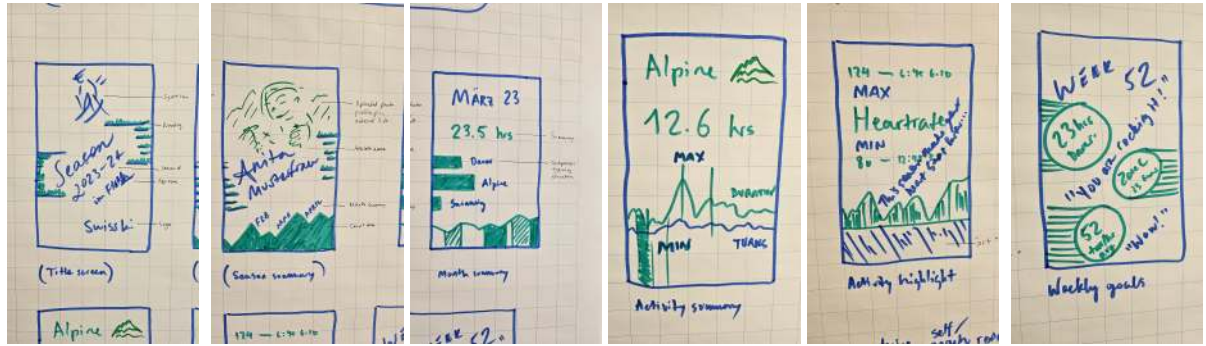


arstechnica.com

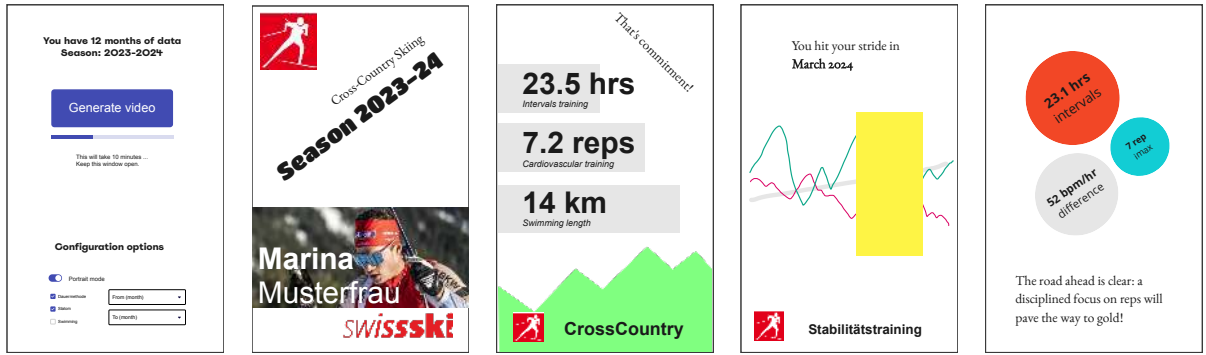
Teen achieves first NES Tetris "rebirth," proves endless play is possible

Dogplayingtetris blasts past 3,300-line rollover in two-hour, 29M-point endurance test.

Sketch



Storyboard



Desktop (node-based, point & click)

www.adobe.com

Motion graphics software | Adobe After Effects

With Adobe After Effects, the industry-standard motion graphics software, you can take any idea and make it move. Design for film, TV, video, and web.

cables.gl

cables

Cables is a tool for creating beautiful interactive content. With an easy to navigate interface and real time visuals, it allows for rapid prototyping and fast adjustments.

friction.graphics

Friction

Friction is a powerful and versatile motion graphics application that allows you to create vector and raster animations for web and video platforms with ease.

pitivi.org

Pitivi, a free and open source video editor for Linux

Pitivi is a Free video editor with a beautiful and intuitive user interface, a clean codebase and a fantastic community. Join us!

tooll.io

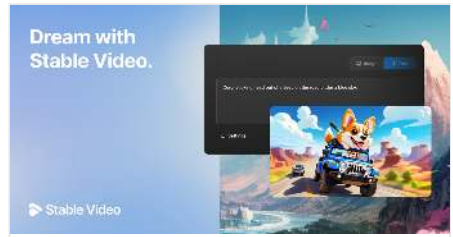
TOOLL3 - Open Source Motion Graphics

TOOLL3 is an open source software to create realtime motion graphics. We are targeting the sweet spot between real-time rendering, graph-based procedural content generation and linear keyframe animation and editing. This combination allows...

natrongithub.github.io

NATRON

Open Source Compositing Software For VFX and Motion Graphics



www.stablevideo.com

Stable Video | Generate Videos with AI

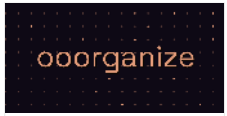
Create videos with text or image, turning your concepts into captivating cinematics.

Helpful SVG generators for patterns & textures

www.fffuel.co

A Collection of Free Grunge, Vintage & Concrete Textures

Genuine high-res textures from aged walls and grounds. Authentic grunge, vintage, and concrete overlays to give your photos and images that extra grit.



www.fffuel.co

ooorganize: SVG background grid pattern generator

An online SVG generator for various kinds of grid patterns that can then be used as visual decoration in web designs.

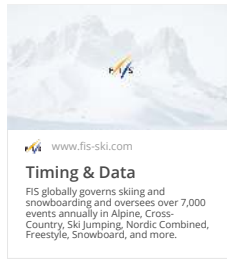
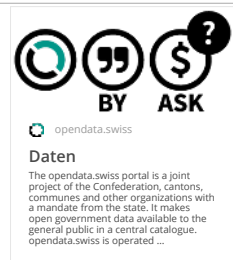
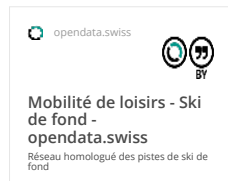
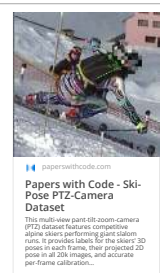
Data processing

Dataset provided (anonymized)

Dictionaries

Heart Rate Zones:
Zone 1: 80-144 bpm
Zone 2: 145-159
Zone 3: 160-169
Zone4: 170-184
Zone 5: 185-105

Open data sources

Name	URL / API	Example
FIS (all olympic athletes data)		
Wikidata (olympic results, general info)		
BFS (Swiss open data)		
Whoop (sleeping patterns)		
Ski 2DPose (computer vision)		

jupyter Sports Hackdays Code Last Checkpoint: 8 hours ago (autosaved)

zones 1/

File Edit View Insert Cell Kernel Widgets Help Trusted

Run Code

In [258]:

```
import pandas as pd

# Ensure 'start_date' is in datetime format
xc_training_data['start_date'] = pd.to_datetime(xc_training_data['start_date'])

# Extract the month and year from 'start_date'
xc_training_data['month'] = xc_training_data['start_date'].dt.to_period('M')  # 'M' stands for month

# Group by the month and sum the total training seconds for each month
monthly_summary = xc_training_data.groupby('month')['total_seconds'].sum()

# Convert seconds to hours and minutes
def convert_seconds_to_hm(seconds):
    hours = seconds // 3600
    minutes = (seconds % 3600) // 60
    return f"{int(hours)}h {int(minutes)}m"

# Apply the conversion function to the monthly summary
monthly_summary_hm = monthly_summary.apply(convert_seconds_to_hm)

monthly_summary_hm_dict = {str(month): time for month, time in monthly_summary_hm.items()}

# Display the monthly summary without seconds
print(monthly_summary_hm)
```

```
month
2023-05      81h 0m
2023-06    101h 25m
2023-07    115h 35m
2023-08     103h 0m
```

Compositing

Processing (code, web-based)

Season Flash - seismist - OpenProcessing
OpenProcessing

p5.js

p5js.org

Reference

Find easy explanations for every piece of p5.js code.

Motion graphics

learn.digitalharbor.org

Introduction to Motion Graphics in p5.js - Learn by Digital Harbor Foundation

Creative Programming Introduction to Motion Graphics in p5.js Objectives and Overview This lesson introduces the basics of creating motion graphics and animation with p5.js. Lesson Objectives: Understand what motion graphics are and how they're used on ...

timrodenbroeker.de

courses Archive * tim rodenbröker creative coding

One of the most exciting and maybe even unsettling discoveries in the learning process of Creative Coding in Graphic Design [...]

Data visuals

medium.com

Quick guide into creative coding with p5.js

A beginner friendly introduction to generative art

editor.p5js.org

DwD: Using chart.js with p5.js by jeffThompson -p5.js Web Editor

A web editor for p5.js, a JavaScript library with the goal of making coding accessible to artists, designers, educators, and beginners.

Advanced animation

www.theatrejs.com

Theatre.js - animation toolbox for the web

Theatre.js is an animation editor with a visual interface.

animejs.com

anime.js

Javascript animation engine

discourse.processing.org

Using React with p5.js (React Hooks and Context)

Using React with p5.js This project demonstrates how to combine React (including the latest features such as hooks and context) and p5.js: Multiple p5 sketches on a same screen; Multiple instances of one sketch mounted in a same component; Mount sketche...

Export to video

vple.me

Animated GIFs From p5.js | vple

After my first few days getting into creative coding / compform, I reached a point where I wanted to share some animations I created. The problem was that I didn't know how to get an animated gif. The sketches on p5.js (editor) are all rendered in an H...

peterbeshai.com

Creating videos from Processing's p5.js with CCapture.js and ffmpeg

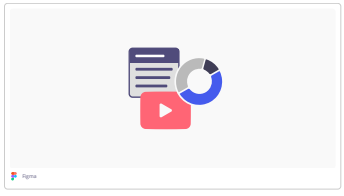
A tutorial on creating videos from Processing's javascript library p5.js with the help of CCapture.js and ffmpeg.

pypi.org

p5

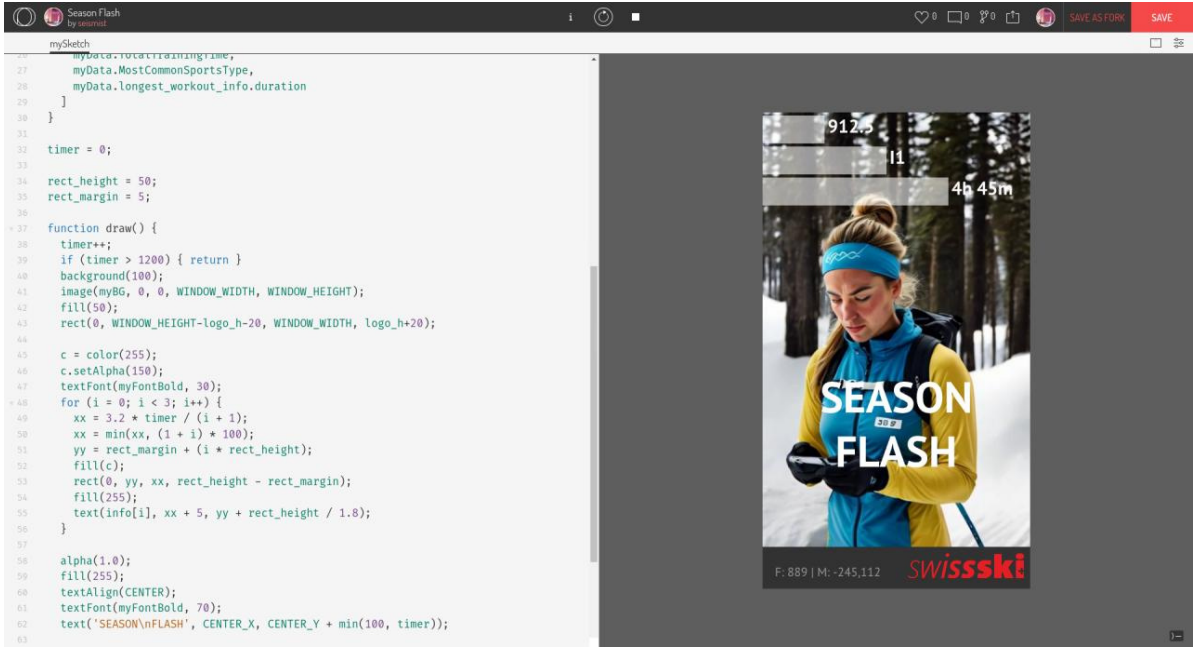
Creative coding in Python

Wireframes

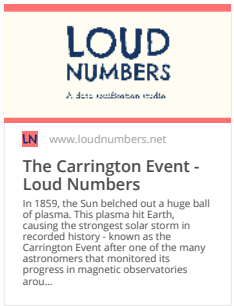



swissski
SKICROSS
Hey!
This is Marina's
SEASON
FLASH
swissski
SKICROSS
TRAINING
23.5 hours
Interval
7.2 reps
Cardiovascular
14 km
Swimming length
That's
commitment!
swissski
SKICROSS
TRAINING
That's
commitment!

Work in Progress



Sonification / Soundtrack



Mozilla Web Speech API