

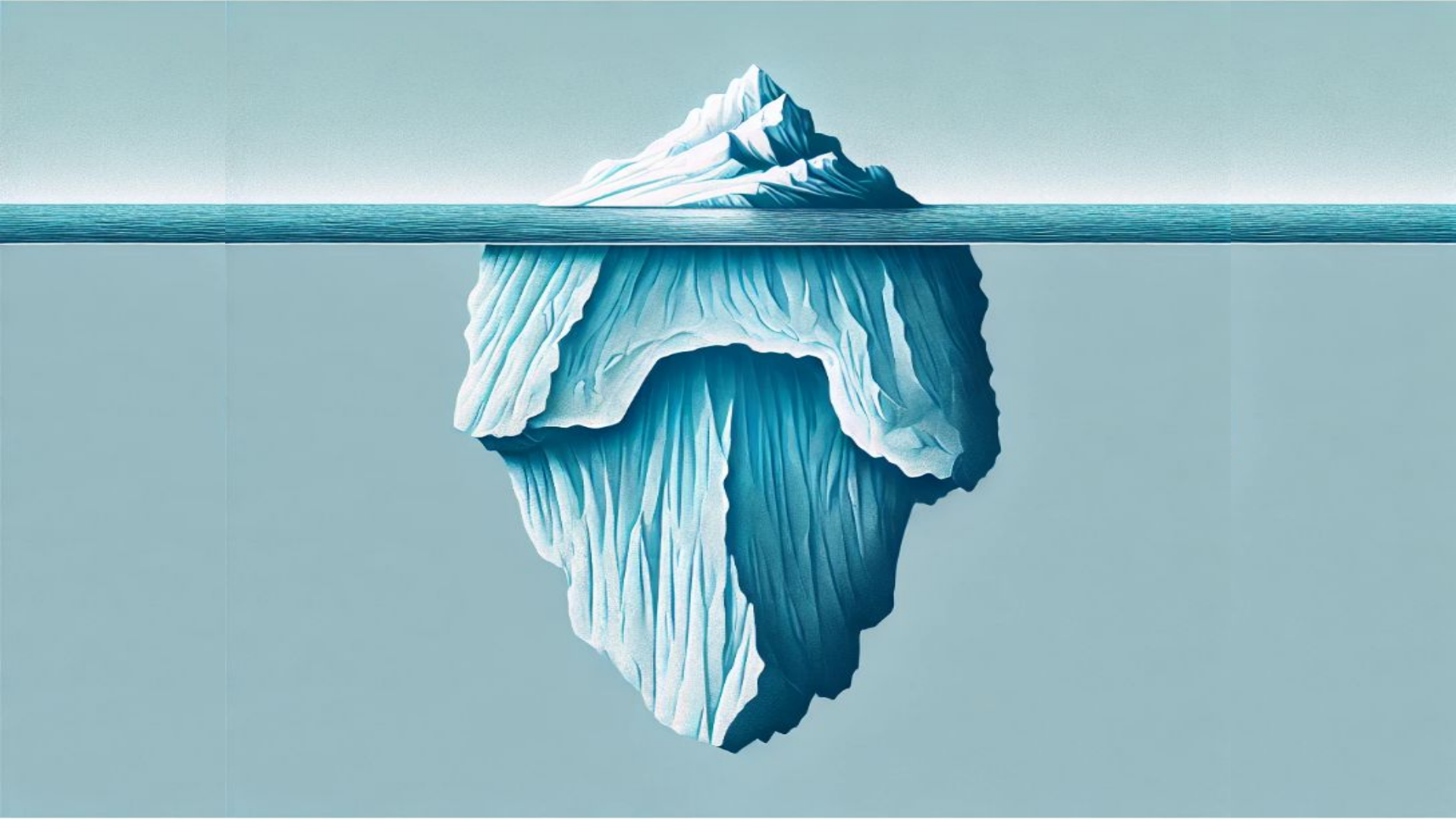
Season Flash

“Sportify” / Group 5

Simon Schmitz, Oleg Lavrovsky, Michael Vuilleumier, Elena Graf



**There is more to the athlete
than meets the eye**



- In Alpine Skiing people see a performance of 2 minutes
- They don't see all the hard work, sweat and dedication
- We want to change that.
- Let's take fans on a journey with the athlete **together**



Python

Data Processing in Python using Pandas & Numpy


```

In [280]: ► # Find the index of the row with the maximum total_seconds
index_of_longest_workout = xc_training_data['total_seconds'].idxmax()

# Get the date of the Longest workout
date_of_longest_workout = xc_training_data.loc[index_of_longest_workout, 'start_date']
date_of_longest_workout = date_of_longest_workout.strftime('%Y-%m-%d')
method_of_longest_workout = xc_training_data.loc[index_of_longest_workout, 'method']
duration_of_longest_workout = xc_training_data.loc[index_of_longest_workout, 'total_seconds']
name_of_longest_workout = xc_training_data.loc[index_of_longest_workout, 'activity_name']

# Convert total_seconds to hours and minutes
hours = duration_of_longest_workout // 3600
minutes = (duration_of_longest_workout % 3600) // 60
duration_of_longest_workout = f"{int(hours)}h {int(minutes)}m"

# Print the date of the longest workout
print(f"The date of the longest workout is: {date_of_longest_workout}")
print(f"The method of the longest workout is: {method_of_longest_workout}")
print(f"The duration of the longest workout is: {duration_of_longest_workout}")
print(f"The acitvity name of the longest workout is: {name_of_longest_workout}")

longest_workout_info = {
    "date": str(date_of_longest_workout),
    "method": method_of_longest_workout,
    "duration": str(duration_of_longest_workout),
    "name" : str(name_of_longest_workout)}

# Print all the data for this date
data_for_longest_workout = xc_training_data[xc_training_data['start_date'] == date_of_longest_workout]
data_for_longest_workout

```

The date of the longest workout is: 2023-05-28
 The method of the longest workout is: Dauermethode
 The duration of the longest workout is: 4h 45m
 The acitvity name of the longest workout is: Velo

```
load","event_status","club_id","activity_name",  
"12:30:00","11:30:00","01:00:00","2024-04-24",I1,Dauermethod  
08:15:00","04:45:00","2023-05-28",I1,Dauermethod  
0","15:00:00","00:15:00","2023-05-13",I1,Dauermethod  
0","17:00:00","00:45:00","2023-05-31",I1,Dauermethod  
","09:00:00","02:20:00","2023-05-18",I1,Dauermethod  
16:00:00","01:30:00","2023-05-30",I1,Dauermethod  
08:30:00","00:10:00","2023-05-11",I1,Dauermethod  
","11:30:00","01:25:00","2023-05-18",I1,Dauermethod  
0","15:00:00","00:20:00","2023-05-21",I1,Warm up  
16:45:00","16:30:00","00:15:00","2023-05-16",I1  
08:30:00","03:00:00","2023-05-06",I1,Dauermethod  
","09:00:00","01:55:00","2023-05-16",I1,Dauermethod  
0","15:30:00","01:10:00","2023-05-11",I1,Dauermethod  
16:00:00","00:30:00","2023-05-24",I1,Dauermethod  
10:45:00","00:15:00","2023-05-20",I1,Cool down,  
","09:00:00","02:00:00","2023-05-21",I1,Dauermethod  
0","16:15:00","01:25:00","2023-05-29",I1,Dauermethod  
0","15:30:00","01:30:00","2023-05-08",I1,Dauermethod  
0","09:00:00","01:30:00","2023-05-03",I1,Dauermethod  
17:00:00","00:30:00","2023-05-24",I1,Dauermethod  
0","15:30:00","01:00:00","2023-05-14",I1,Dauermethod  
0","15:00:00","00:20:00","2023-05-23",I1,Warm up  
16:15:00","00:15:00","2023-05-16",I1,Dauermethod
```

```
1 {  
2   "TimeInZones": {  
3     "zone_1_time": 563.5305555555556,  
4     "zone_2_time": 195.69138888888889,  
5     "zone_3_time": 62.675,  
6     "zone_4_time": 39.95111111111111,  
7     "zone_5_time": 13.2775  
8   },  
9   "TotalTrainingTime": "571h",  
10  "MostCommonSportsType": "Slalom",  
11  "TrainingTimeperMonth": {  
12    "2023-05": 15.5,  
13    "2023-06": 90.8,  
14    "2023-07": 60.5,  
15    "2023-08": 80.5,  
16    "2023-09": 66.1,  
17    "2023-10": 46.2,  
18    "2023-11": 59.9,  
19    "2023-12": 49.0,  
20    "2024-01": 42.8,  
21    "2024-02": 36.0,  
22    "2024-03": 8.8,  
23    "2024-04": 15.0  
24  },  
25  "longest_workout_info": {  
26    "date": "2023-10-03",  
27    "method": "Technik/Koordination",  
28    "duration": "8h",  
29    "name": "Start training obersaxen"  
30  },  
31}
```


p5*.js

Processing

Motion graphics and charts



Production

Video export for private use or social media sharing



Default Workspace

Homepage

Model Center

Models

Playground

Application Center

Application Gallery

My Applications

Application Component

Data Center

Data Management

Data Application

Welcome to Alibaba Cloud Model Studio

Qwen-Max [Change](#)



What would be a great way to engage fans of a pro athlete, through sharing insights into their training routine?



Creating a documentary-style video series that follows the athlete's training routine would be a highly engaging approach. Here's a detailed plan for executing this idea:

Document the athlete's short-term and long-term goals, along with milestones achieved during the training cycle. This could include personal bests, recovery from injuries, or technical improvements. **Fans love seeing progress and can relate to the process of setting and achieving goals.**

Brainstorming Data Aggregation



Moodboard



Sketch



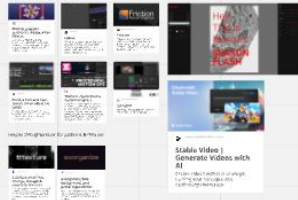
Storyboard



Wireframes



Storyboard (continued)



Uploading...

Work in Progress



Info processing



Storyboard



Simon Schmitz

Storyboard (continued)



Storyboard (continued)



Storyboard (continued)





force⁸
C O A C H

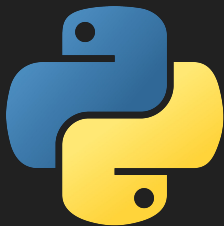
Button

Athlete
data

CSV

API

1 click



Data
pipeline

Athlete
story

json

API

Season
Flash

p5*.js

Motion
rendering

TRAINING

912.5

duration

13.28

time in
zone 5

4h 45m

longest
workout

mp4

RQ



FFMPEG

CCapture.js

Demo time!

Der me!



Thank you! Danke! Merci!

seasonflash.vercel.app



SWISSski



SP+RTS
HACKDAYS

Supported by

