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## WORK

SuperScale s.r.o., Bratislava (2023 - )  
analysis and development of web platform  
Angular / primeNg / Typescript / Sass / Jest / GIT

ERNI (Slovakia) s.r.o., Bratislava (2019 - 2022)  
analysis and development of Web-Apps, UI design  
Angular / Angular Material / Typescript / Sass / Jest / GIT / Storybook

Slovak National Gallery (2019-2020) *part-time*  
development of webumenia.sk & occasional micropages  
VueJS, Nuxt JS, partially Laravel

AI Maps s.r.o., Bratislava (2016 - 2018)  
analysis and development of Web-Apps, UX analysis  
AngularJS / Angular 2 / TypeScript / Less / Leaflet / Karma / GIT

Bonum s.r.o., Bratislava (2012 - 2016)  
development of internal system for production management  
Java2EE / IBM DB2 / HTML / JavaScript / jQuery / CSS / JasperReports

Accenture Technology Solutions Slovakia s.r.o., Bratislava (2010 - 2012)  
1<sup>st</sup> and 2<sup>nd</sup> line support / RHEL / Apache Tomcat / OpenCMS support

## EDUCATION

Faculty of Mathematics, Physics and Informatics  
Comenius University Bratislava  
2008 - 2010: Mathematics - Computer Graphics and Geometry (Mgr.)  
2005 - 2008: Applied Informatics (Bc.)

## LANGUAGES

Slovak (mother tongue)  
English (B2)

years of experience

HTML / CSS / JS 

AngularJS + TS 

Angular + RxJS 

NgRx 

Less /SASS 

BitBucket + Jira + Confluence 

D3.js 

Svelte + SvelteKit 

VueJS + NuxtJS 

SVG 

Java EE 

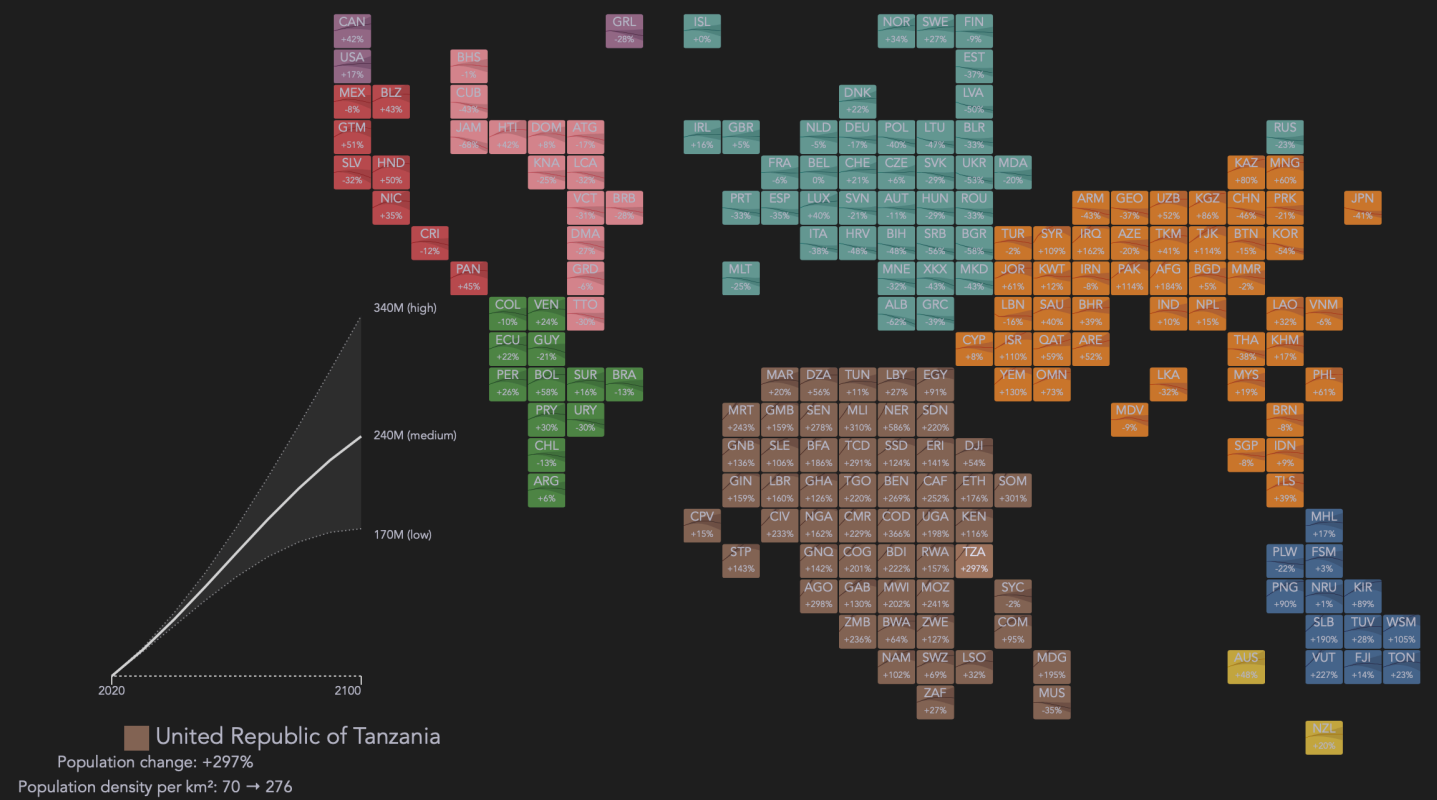
IBM DB2 + SQL 

Currently playing with data using:

Svelte + SvelteKit + D3

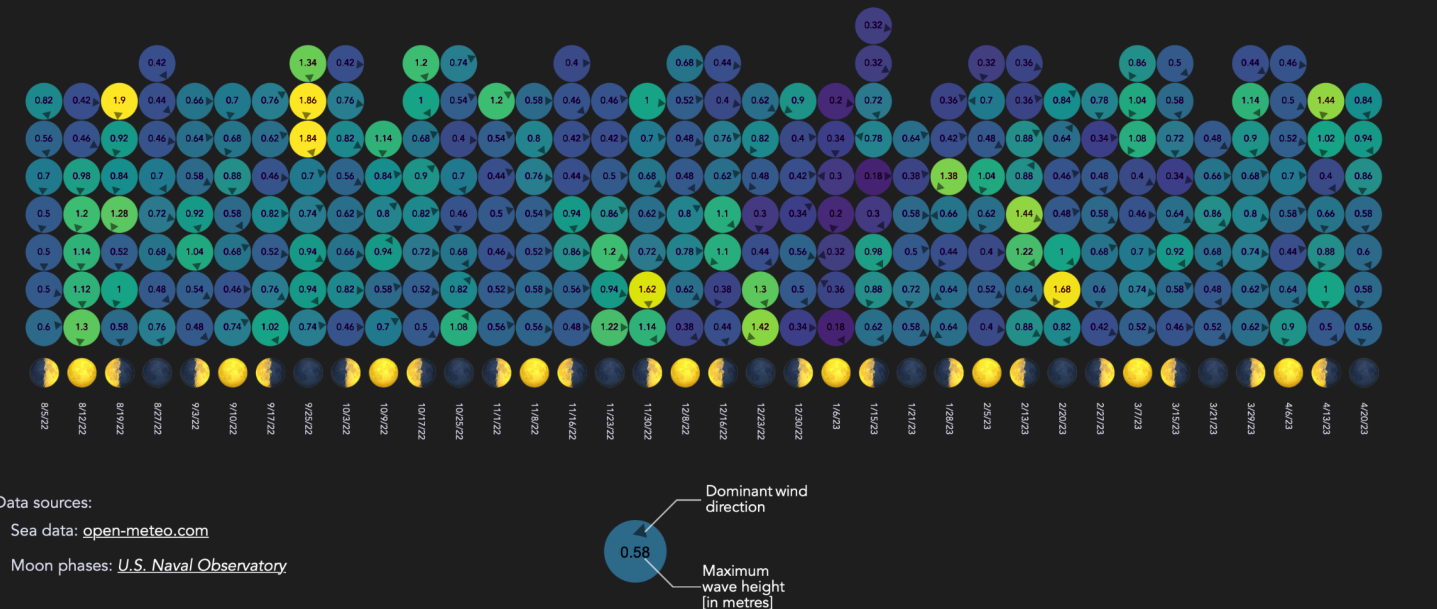
# Data visualization:

## Human population in 2100



## Kanagawa sea waves

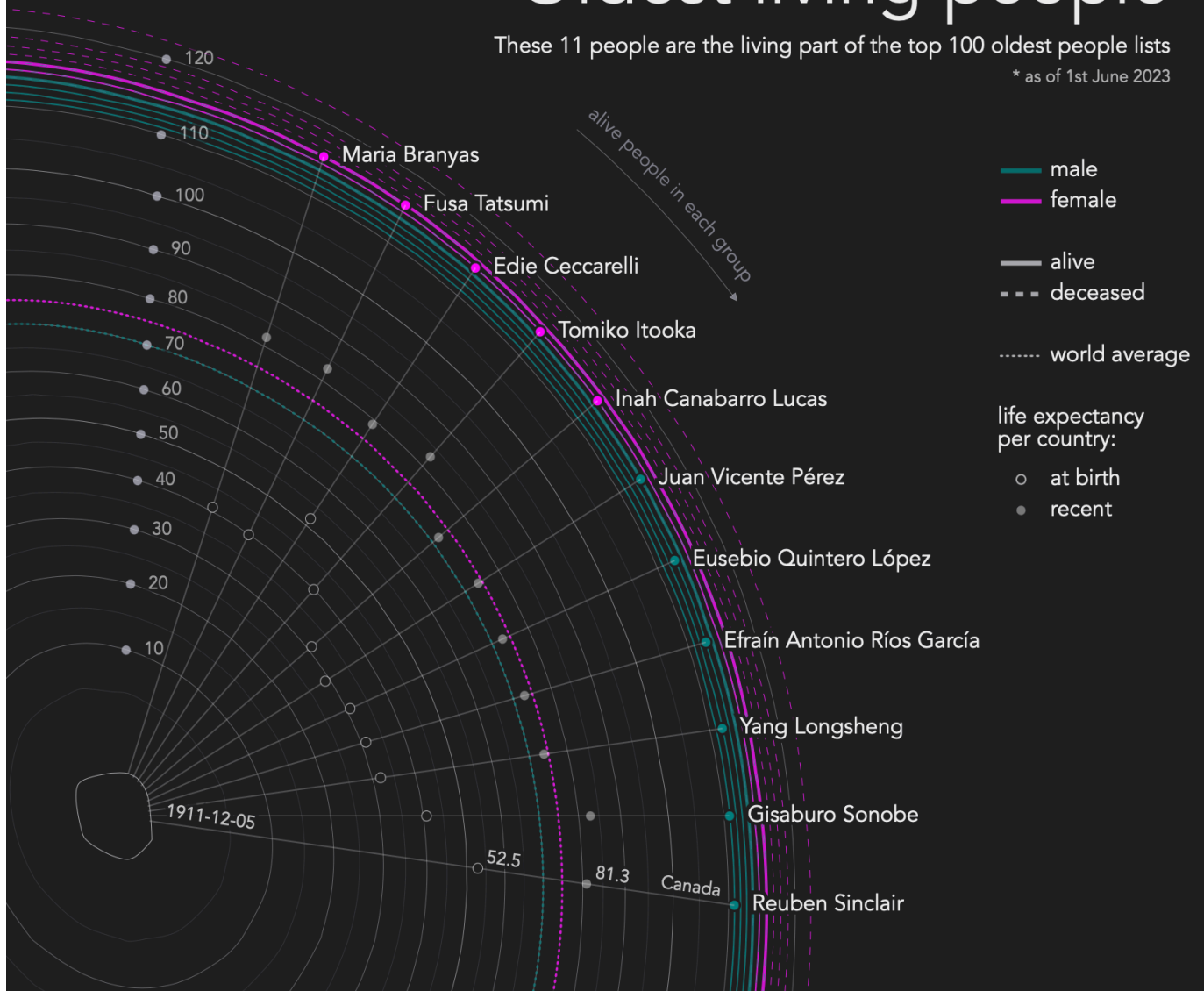
Maximum sea wave height & wind direction aligned to lunar calendar.  
Under 2 metres? I see what you did there Mr. Hokusai.



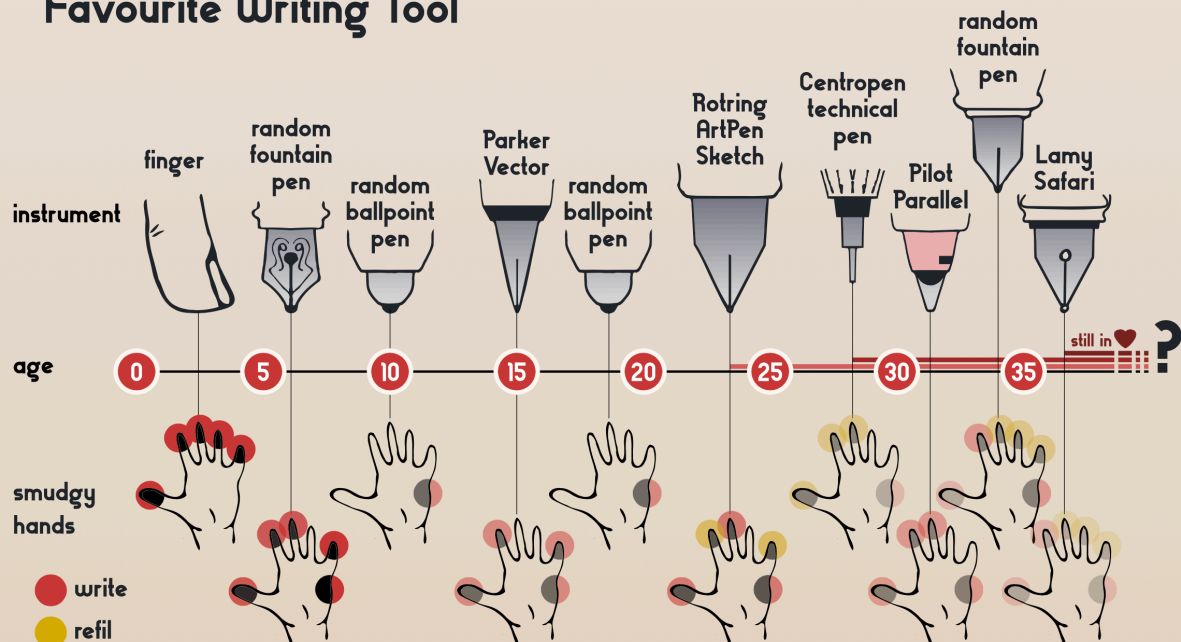
# Oldest living people

These 11 people are the living part of the top 100 oldest people lists

\* as of 1st June 2023



## Favourite Writing Tool



# Projects:

## **ERNI (Slovakia) s.r.o.**

1) User friendly GUI for laboratory device(spectrometer), which:

- allows easy management of experiments to be executed
- allows and visualizes automation over the set of samples
- elements are bound to user management provided by KeyCloak instance

Target: web application written in Angular running in Electron

Role: Angular developer (development / basic testing / bug fixing), UI design, icon design

Technologies: Angular, Angular Material, RxJs, NgRx, Jest + Spectator, Atlassian stack\*

Specially proud of: ring-pie-chart to provide quick insights on executed experiments for each sample

2) User friendly GUI for a spectrometer, similar to (1) plus extra features:

- D3.js custom made chart component (to meet overall look & feel and to provide features from older product version)
- Experiment results export (2 charts + table + custom template) done solely on the frontend

Target: web application written in Angular running in Electron

Role: Angular developer (development / basic testing / bug fixing), UI design, icon design

Technologies: Angular, Angular Material, RxJs, NgRx, Jest + Spectator, D3.js, PDF-LIB.js, Atlassian stack\*, Akita

Specially proud of: charting and printing

3) Similar to (1) but:

- dynamic GUI (similar to (1)), but based on backend definitions
- components library (as a side-project), so all client projects can share Look & Feel in a proper manner

Target build: web application written in Angular running in Electron

Role: FE lead, analysis and development, icon designs

Technologies: Same as (2) plus Storybook.js to provide components library documentation & accesible demos with code samples

Specially proud of: finally creating a component library which was also used by another project team

\* Jira, BitBucket, Confluence

## **AI Maps s.r.o.**

1) Car-park management system:

- Track position of cars
- Track expenses
- Schedule rides & car service

Target: web application

Role: angular developer

Technologies : AngularJS / Angular 2 / Angular Material / TypeScript / Less / Leaflet / Karma / Atlasian stack\*

2) Car rides management system:

- Schedule regular rides
- Manage drivers (rides / holidays)

Technologies : Angular 2 / Angular Material / RxJs / NgRx / TypeScript / Less / Leaflet / Karma / Atlasian stack\*

## **Bonum s.r.o.**

Development of custom Manufacturing Execution Systems for automotive:

- Collects & store real time data from assembly line
- Develop custom real-time monitoring systems
- Custom reporting

Target: web application, PDF reports

Role: full stack developer, customer support, design and automation of report generation

Technologies: Java2EE / IBM DB2 / HTML / JavaScript / jQuery / CSS / JasperReports

Specially proud of: improved design of few reports, tiny utilities to speed up new model mapping

\* Jira, BitBucket, Confluence