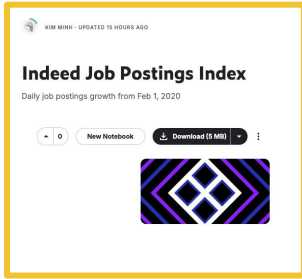# Germany Job Index Research

By Kerem Senler

Agenda

1. The structure of the analysis
2. Insights
3. Tech. sector deep dive

Part 1: The structure of the analysis

Part 1: The structure of the analysis

Download the data

KIM MINH - UPDATED 15 HOURS AGO

Indeed Job Postings Index
Daily job postings growth from Feb 1, 2020

0 | New Notebook | Download (5 MB)

Categorise daily data into monthly from 2020.02.01 to 2024.09.01

Create 8 business questions

Create sql queries to generate data to address these questions

Export the output of each query as CSV

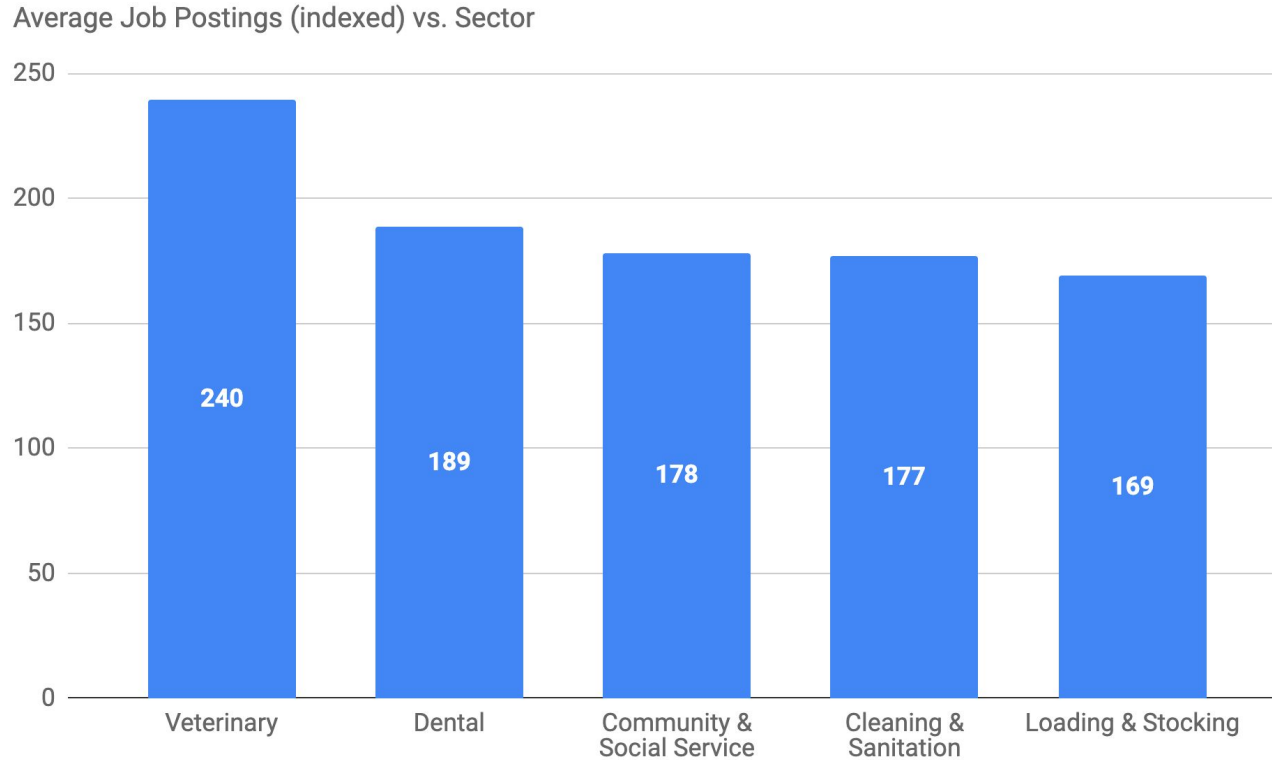Create insights using google spreadsheets
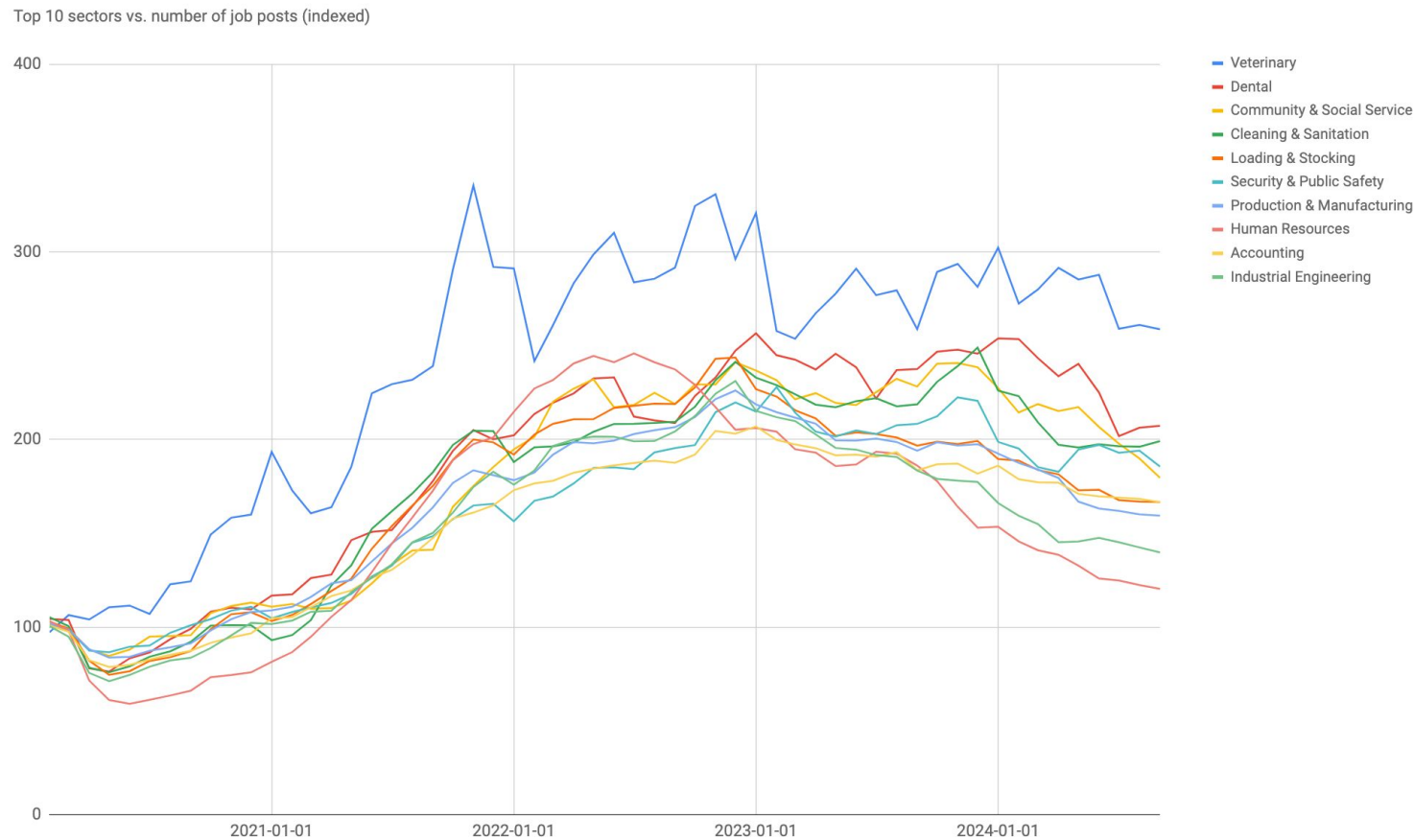
Part 2: Insights

Disclosure on indexed values

Actual values

A = 5
B = 4
C = 6

Indexing on A as 100 →

Indexed Values

A = 100
B = 80
C = 120

Why are indexed numbers used?

- Mostly to make data 'invisible' and not to share the actual values
- To be able to show the relation between values without actually disclosing them
- Restricted data guidelines on data sharing

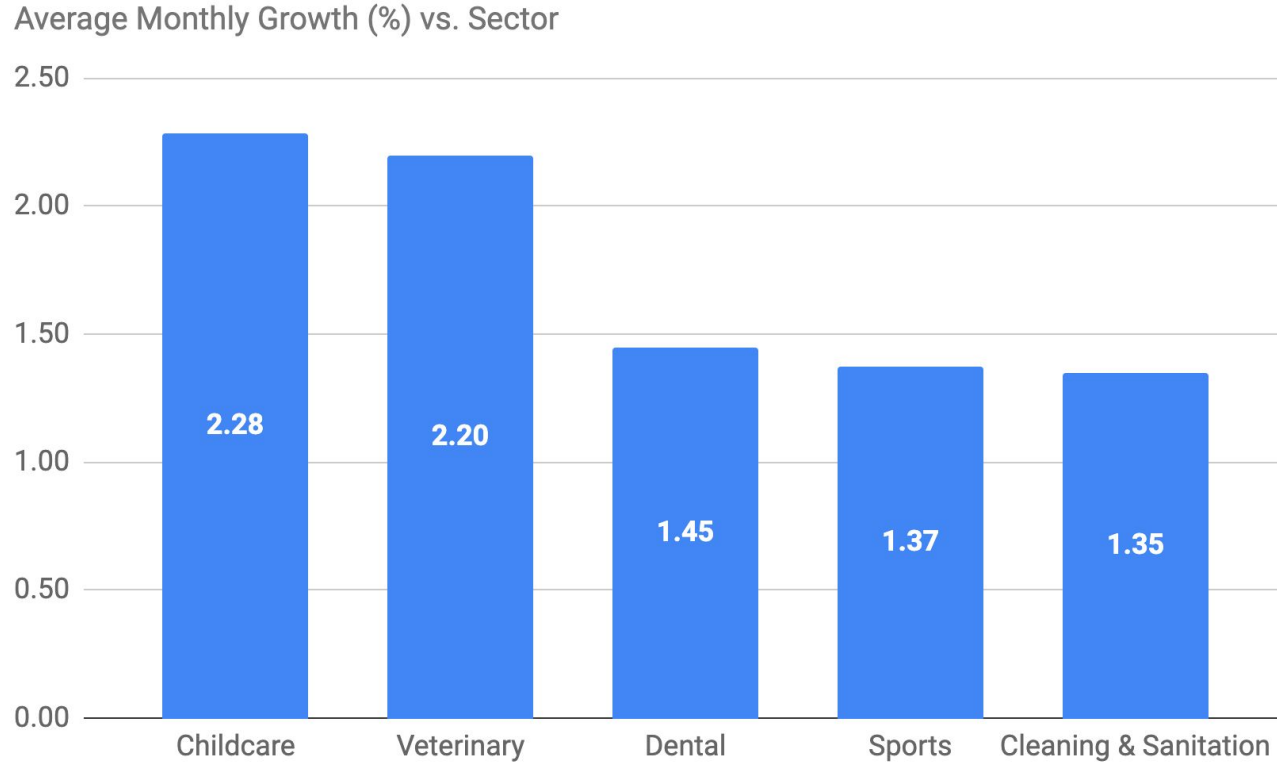# 1. Which sectors had the highest number of job postings on monthly average?

Average Job Postings (indexed) vs. Sector

2. How has the job market evolved month-by-month for top 10 sectors?

Top 10 sectors vs. number of job posts (indexed)

Legend:
- Veterinary
- Dental
- Community & Social Service
- Cleaning & Sanitation
- Loading & Stocking
- Security & Public Safety
- Production & Manufacturing
- Human Resources
- Accounting
- Industrial Engineering

3. Which sector showed the most growth in job postings over time?

Average Monthly Growth (%) vs. Sector

Sector	Value
Childcare	2.28
Veterinary	2.20
Dental	1.45
Sports	1.37
Cleaning & Sanitation	1.35

4. What is the distribution of job postings across different sectors?

Sector vs. Total Job Posts (indexed

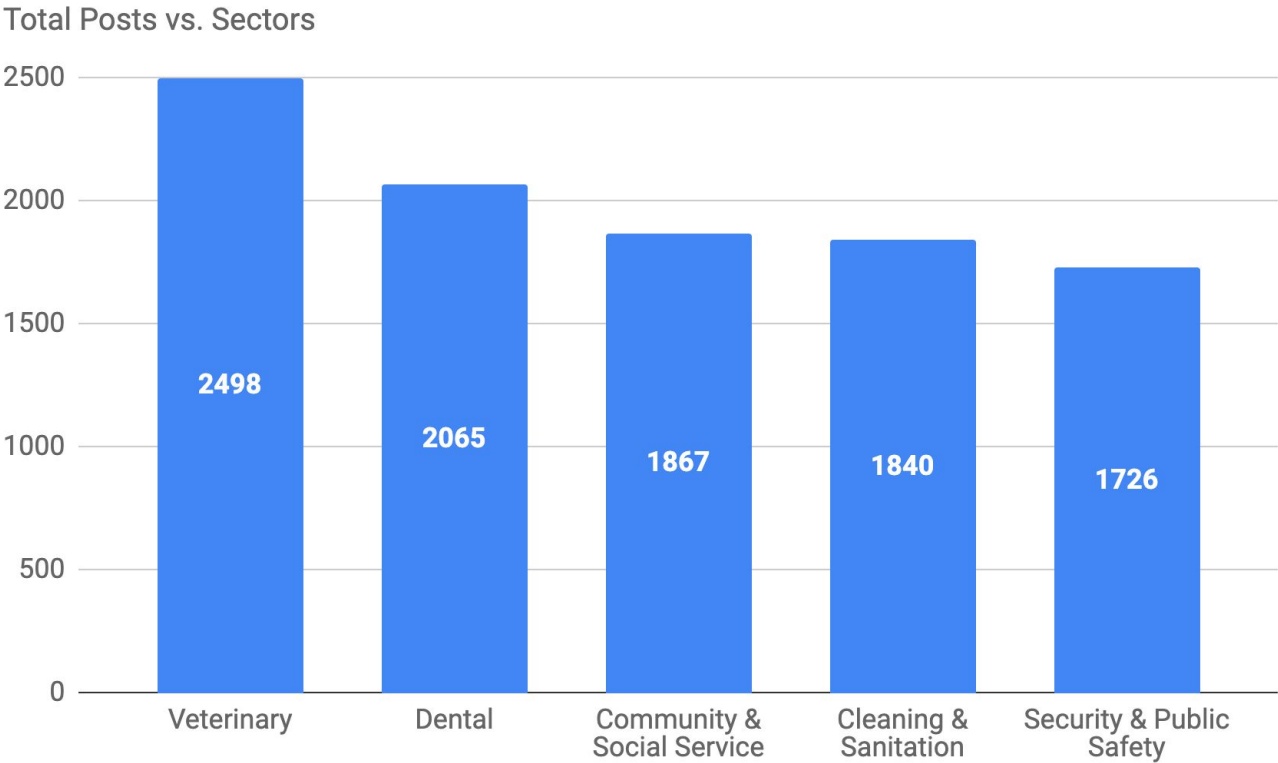Data: Indeed Hiring Lab, Date: 2020-02-01/2024-09-20
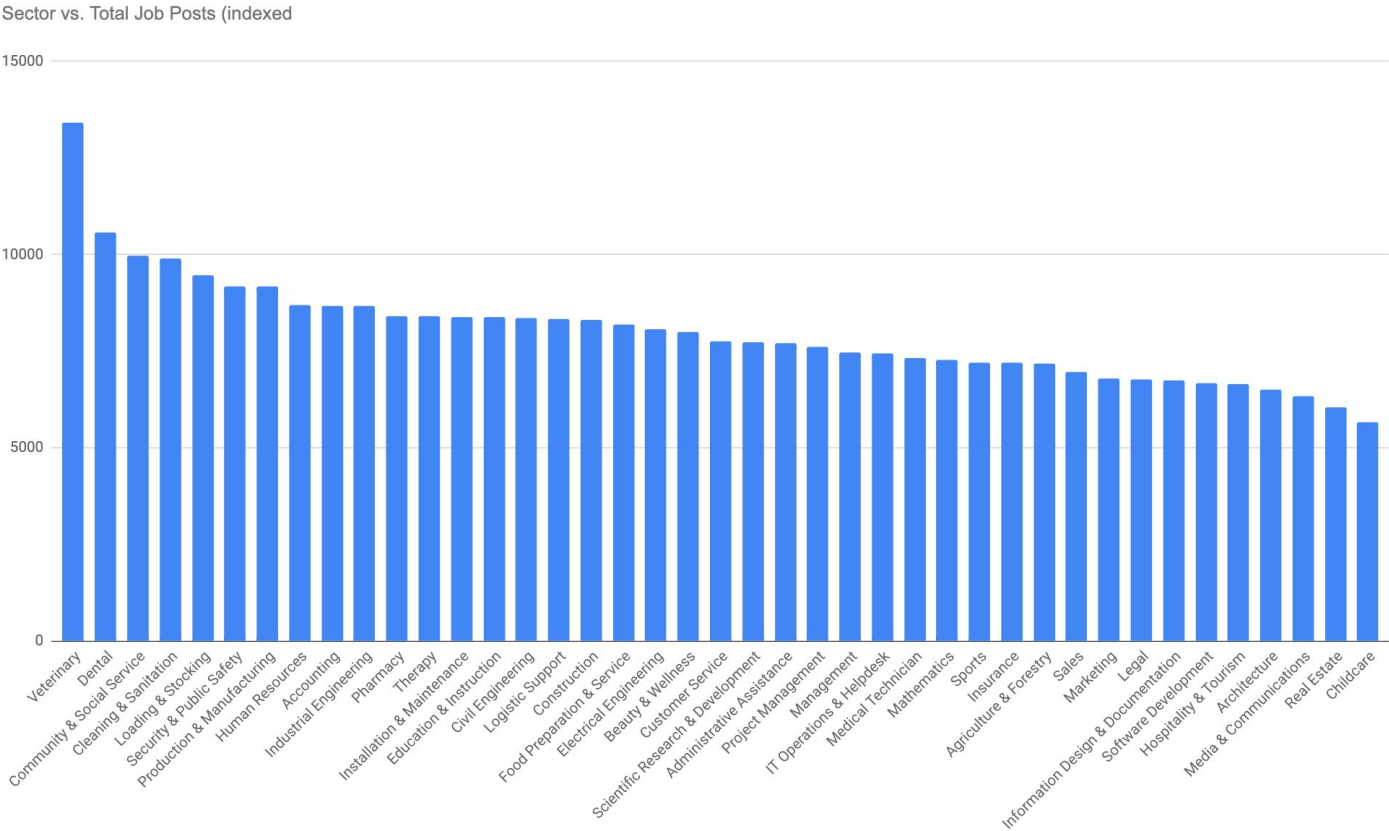
5. How does the job posting index vary for top 15 sectors?

Sector vs. min/max/average posting indexes
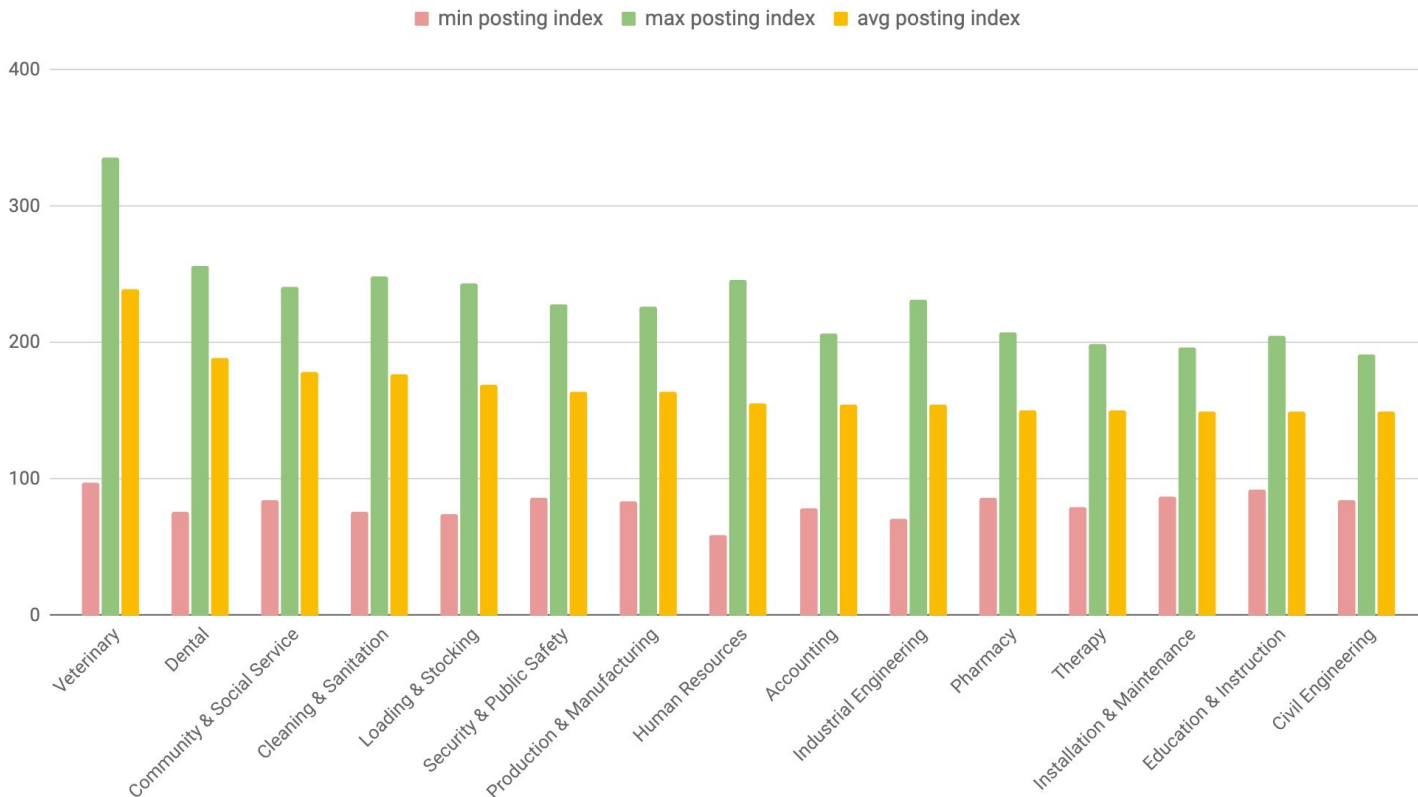
6. What are the top sectors that contributed to the highest job posting index in 2024?
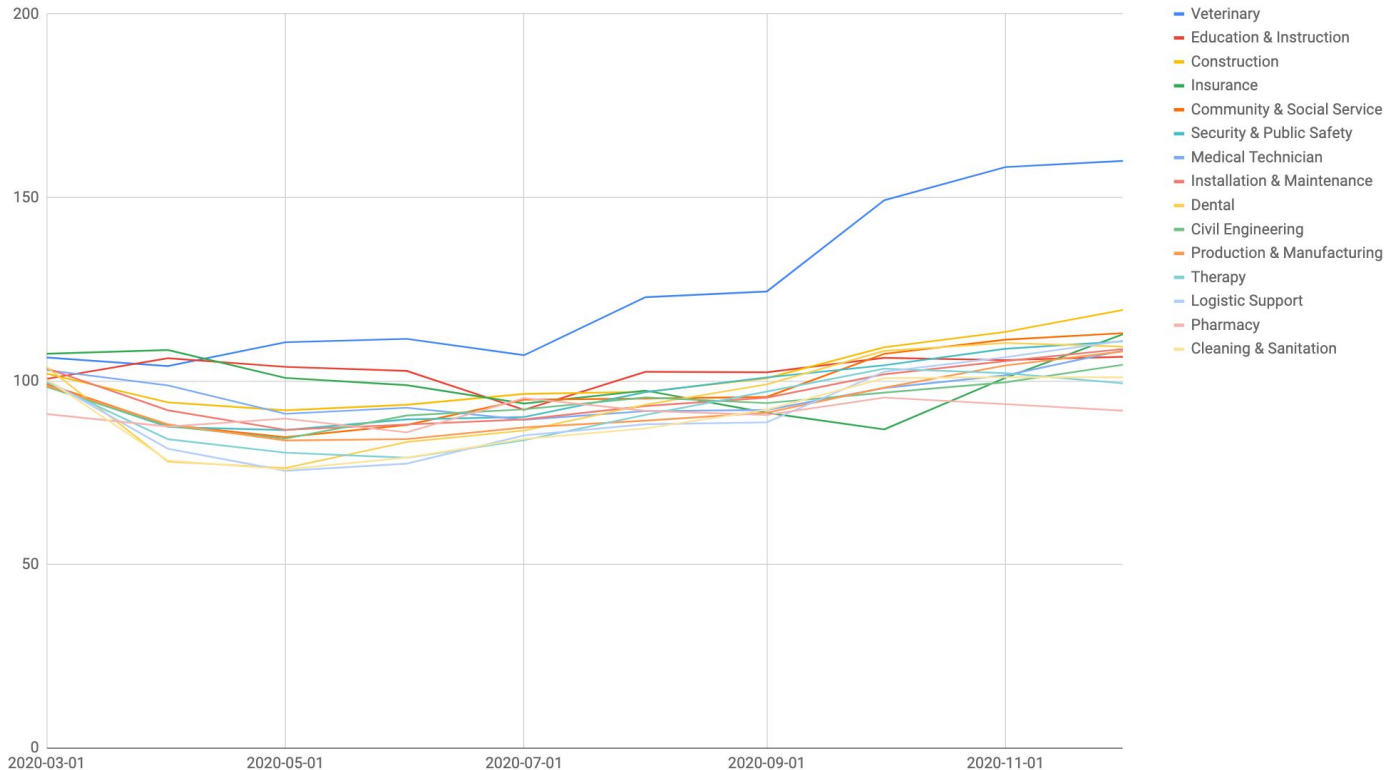
Total Posts vs. Sectors

7. How do job postings vary between the first and second half of 2023 for different sectors?

Total Job Posts vs. First/Second Half of 2023

■ first half 2023 ■ second half 2023
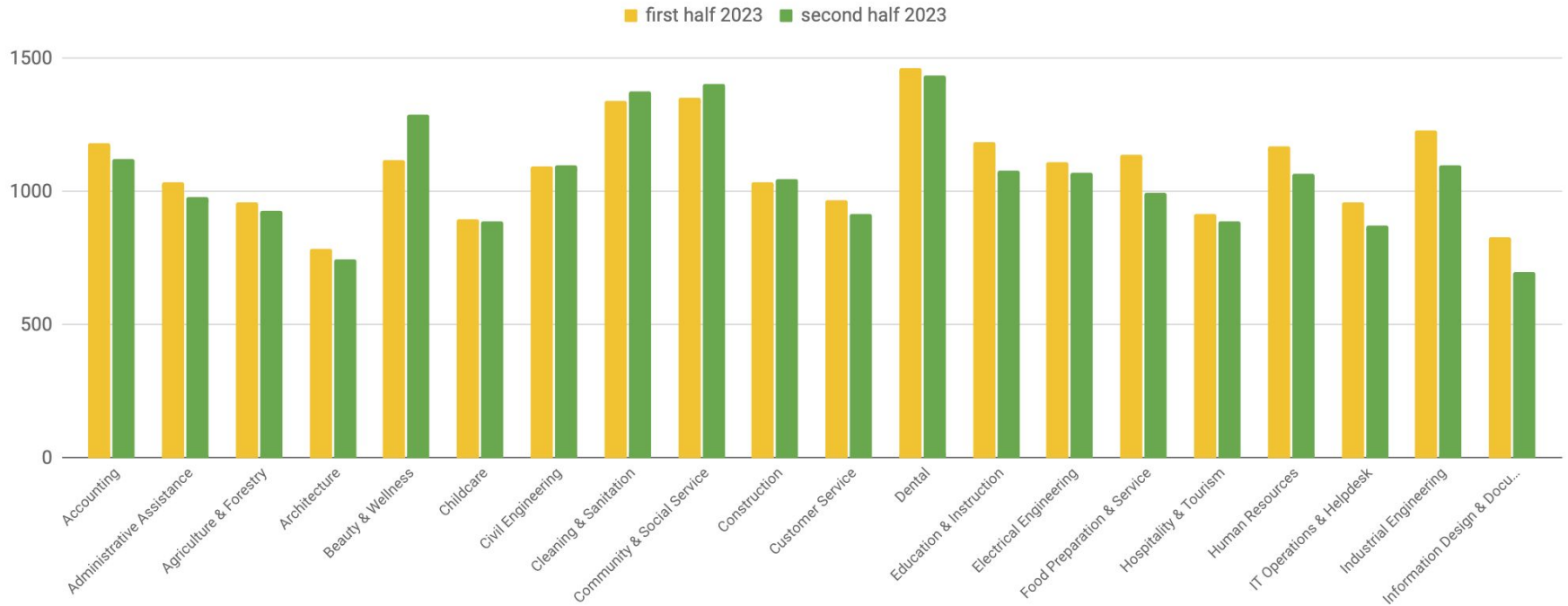
8. Which sectors showed the highest job posting index during the pandemic months (March 2020 - December 2020)?

Sectors vs. Job Postings (indexed)

Legend:
- Veterinary
- Education & Instruction
- Construction
- Insurance
- Community & Social Service
- Security & Public Safety
- Medical Technician
- Installation & Maintenance
- Dental
- Civil Engineering
- Production & Manufacturing
- Therapy
- Logistic Support
- Pharmacy
- Cleaning & Sanitation

Part 3: Tech. sector deep dive

Compared to other sectors, the technology sector has experienced a decline in job postings over time

Legend: Information Design & Documentation (%), IT Operations & Helpdesk (%), Software Development (%)

Worst period of tech. related postings