



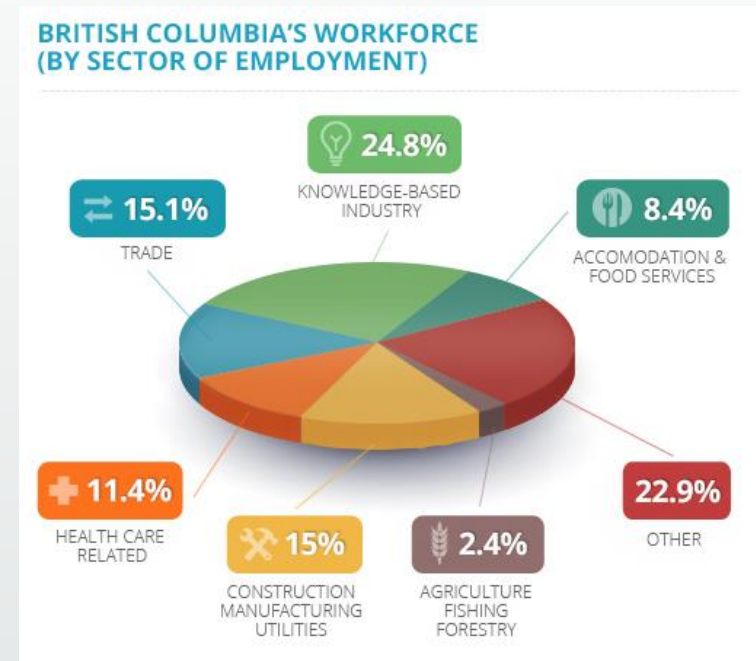
British Columbia Labour Market Visualization

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Project Motivation

- Job Seeker
 - Find job opportunities
 - Build required skills
 - Choose the developing industry
- Entrepreneur
 - Seek opportunities in developing industry
- Post-Secondary Institution
 - Create new programs that fit industry needs



Objectives

- Show industry labour market changes in the past and future
- Compare industrial structure of each region
- Show job position changes
- Match post-secondary education data to job opening data



Data

- Labour Market Outlook from Ministry of Advanced Education, Skills and Training in BC
- (<https://catalogue.data.gov.bc.ca/dataset/labour-market-outlook>)
- Include Employment by Industry and Occupation, Job Openings, Wage Information and Post-Secondary Education supply information



Improvements

TABLE 4-1 | DETAILED INDUSTRY OUTLOOK | B.C. | 2019-2029 (continued...)

Industry	Employment	Employment Growth (compound annual growth rate)			Expansion	Replacement	Total Job Openings
	2019	2019 - 2024	2024 - 2029	2019 - 2029	2019 - 2029	2019 - 2029	2019 - 2029
Universities	35,900	0.8%	0.2%	0.5%	1,800	8,300	10,100
Private and trades education	34,100	1.8%	1.4%	1.6%	6,100	7,500	13,600
Health care and social assistance	321,900	1.6%	1.8%	1.7%	59,900	81,700	141,700
Ambulatory health care services	95,400	1.7%	1.9%	1.8%	19,000	24,900	43,900
Hospitals	110,300	0.9%	1.2%	1.1%	12,800	27,300	40,100
Nursing and residential care facilities	51,100	3.0%	3.3%	3.2%	19,200	13,900	33,100
Social assistance	65,100	1.3%	1.2%	1.3%	8,900	15,700	24,600
Information, culture and recreation	133,800	1.6%	1.6%	1.6%	23,000	29,200	52,200
Publishing industries	14,100	-0.3%	0.3%	0.0%	0	3,300	3,300
Motion picture and sound recording industries	22,800	3.6%	3.5%	3.6%	9,900	5,200	15,000
Telecommunications	17,000	-0.3%	-0.5%	-0.4%	-700	4,000	3,300
Broadcasting, data processing and information	8,000	1.6%	0.4%	1.0%	800	2,100	2,900
Performing arts, spectator sports and related industries	22,500	0.2%	0.7%	0.5%	1,000	4,700	5,700
Amusement, gambling and recreation industries	45,500	2.4%	2.0%	2.2%	11,500	9,000	20,500
Heritage institutions	3,900	1.1%	1.2%	1.2%	500	1,000	1,400

- Current version (from WorkBC) is not interactive and hard to show all the information between datasets
- Will redesign the vis and show more inner relationships among industry, job, job opening and talent supply



Feel free to join me if interested!

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