- 1. This dashboard shows Totals for 2015-2021 by Quarters
- 1. There is a trend that increses every year from 2016.
- 2. Impact Covid19 on Labour Marcket and Missing data of 2020 Q2 and 2020 Q3 that might skew analysis.
- 3. Before pandemic period there was some seasonal pattern with 2 peaks (Q2 and Q4)
- 2. Location
- 1. 4 largest provincies that shape the Canada labor market as Ontario, Quebec, British Colambig, Alberta(%)
- 2. Diff seasonals with dif trend and cyclical pattern per Provinces
- 2.1. Before pandemical period Ontario's cyclical pattern was with 2 peaks (Q2 and Q4) but Quebec's cyclical pattern was with 1 peak as Q2.
- 3. Alberta's vacancies relate to Brent oil's price of per year

3. NOC

1. There is big seasonal and trend diference in the Broad NOC (%) 2. The Major Broad

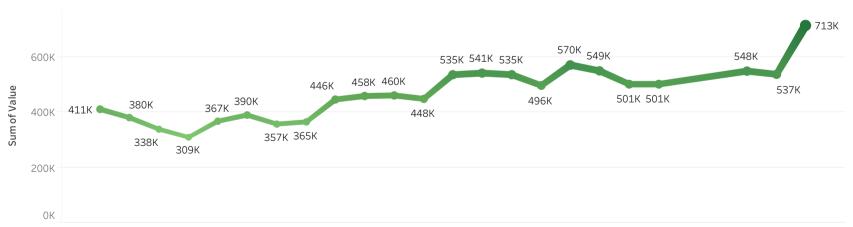
NOCs are Sales and..

In Total, we analyzed 4 largest Provinces for Labor market 2015-2021 and 5 Largest Broad NOC.

Questions were:

- 1. Overview of the Canadian Labour market per Broad NOC and Provinces;
- 2. How the COVID-19 Pandemic impacts on the Broad NOC and on the Province's Labour market
- 3. What are the main post pandemic recovery trends for the Broad NOC and for the Province's Labour market
 - i) Changes (positive or negative),
 - ii) Jumping in numbers of JV.
- 4. What's the best ML method to predict labour vacancies

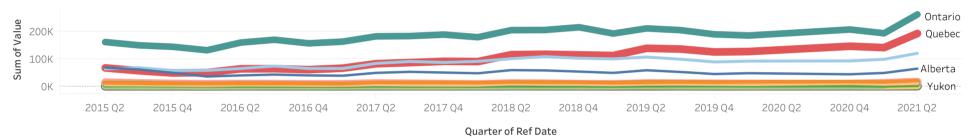
1.1 Trend



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- 3. NOC
- 1. There is big seasonal and trend difference in the Broad NOC (%)
- 2. The Major Broad NOCs are Sales and Service occupation and Trade and Transport occupation, Business, finance, Health
- 3. Positive and negative Covid impact..

2.1 Trend vacancies per Province



2.2 Map of Vacancies per Province



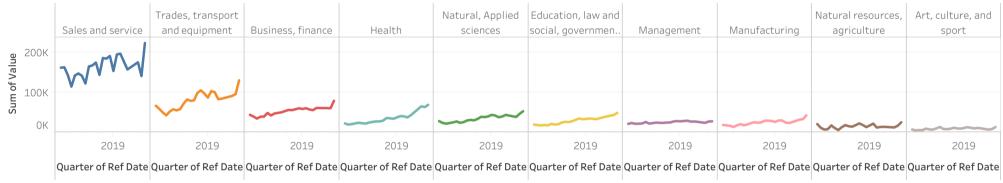
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- 4. Quarter's Trend per Province
- 1. Diff trend for each Quarters
- 2. Covid impacts on Q4 in Ontario and British Colambia

Broad NOC trend

NOC Desc



3.2_LgestsNOC

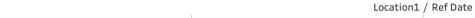


- 3. NOC
- 1. There is big seasonal and trend difference in the Broad NOC (%) $\,$
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- 4. Quarter's Trend per Province
- 1. Diff trend for each Quarters
- 2. Covid impacts on Q4 in Ontario and British Colambia

- 5. Quarter's Trend by NOC
- 1. Diff trend for each Quarters
- 2. Covid impacts on Sales for all NOC exept positive in pact on Health

1st quarter vacancies by province



Ontario					Que	ebec	British Col					Columbia	lumbia			Alberta								
2016	2017	2018	2019	2020	2021	2016	2017	2018	2019	2020	2021	2016	2017	2018	2019	2020	2021	2016	2017	2018	2019	2020	2021	

2nd quarter vacancies by province

Location1 / Ref Date

s,	UK =	Ontario						Quebec					British Columbia					Alberta						
	OK _	2015	2016	2017	2018	2019	2021	2015	2016	2017	2018	2019	2021	2015	2016	2017	2018	2019	2021	2015	2016	2017	2018	2019

3d quarter vacancies by province

					Locat	ion1						
2016 Q2	2017 _m 2rio 2018 Q2	2019 Q2	2016 Q2	2017u@Bec 2018 Q2	2019 Q2	2016	Q2 B 2R15 h Q3 lun 3 0) <u>1</u> 8 Q2 2	019 Q2	2016 Q2	201 A Q2 ta 2018 Q2	2019 Q2
(uarter of Ref Date		c	uarter of Ref Date			Quarter of Ref Da	ate		Q	uarter of Ref Date	

4th quarter vacancies by province

Location1 / Ref Date



3. NOC 1. There is seasonal ardiference in Broad NOC 2. The Majo	nd trend 2. Covid impacts on Q4 (%) or Broad		1. Diff tre	r's Trend by NOC end for each Quarters mpacts on Sales for all NOC exept positive in	npact on Health
1st o	quarter vacancies by N	OC			
	2017Sales and 2019 ce Quarter of Ref Date	2021 Tra2@\$7transport20119equipme202 Quarter of Ref Date	NOC Desc 21 2017Business, 2019Ace 20 Quarter of Ref Date	2017 2017 2017 2018 2018 2019 2019 2019 2019 2019 2019 2019 2019	2017 Heal 20 19 2021 Quarter of Ref Date
2d quai	rter vacancies by NOC				
	2016 Salesand service ₂₀₂₀ Quarter of Ref Date	नृत्वर्त्वेष्ट्र trans्युकृष्ट् and equipyaent Quarter of Ref Date	NOC Desc 2016 Business finance 2020 Quarter of Ref Date	201 Natural, Applied sciences	2016 2018 th 2020 Quarter of Ref Date
3d qu	arter vacancies by NC	C			
		· · [· + a · a	NOC Desc	The state of the second of the	l e e recentinamente e e e e e e e e e e e e e e e e e e
	Sales and service 2016 2017 2018 20		Business, finance 2016 2017 2018 2019	Natural, Applied sciences 2016 2017 2018 2019	Health 2016 2017 2018 2019
	Quarter of Ref Date	Quarter of Ref Date	Quarter of Ref Date	Quarter of Ref Date	Quarter of Ref Date
4th qua	arter vacancies by NO				
			NOC Desc		1
	Sales and service 2017 2019	Trades, transport and equipment 2017 2019	Business, finance 2017 2019	Natural, Applied sciences 2017 2019	Health 2017 2019
	Quarter of Ref Date	Quarter of Ref Date	Quarter of Ref Date	Quarter of Ref Date	Quarter of Ref Date