

COVID-19 Trend in BC

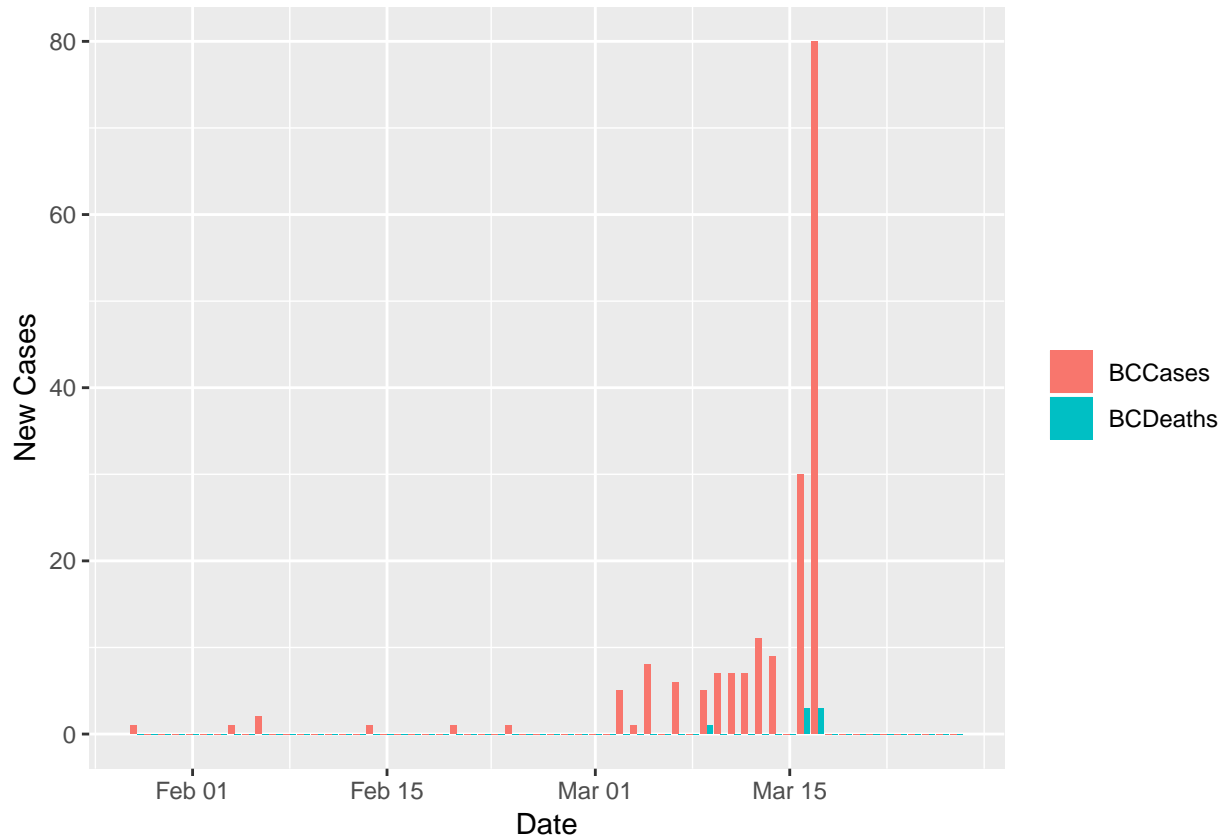
This is a breakdown of every confirmed or presumed COVID-19 case in BC over time. (source: <https://www.ctvnews.ca/health/coronavirus/tracking-every-case-of-covid-19-in-canada-1.4852102>)

##	DayFirstCase	BCDate	BCCases	BCDeaths
##	"integer"	"Date"	"integer"	"integer"
##	ItalyCases	ItalyDeaths	TotalBCCases	TotalItalyCases
##	"integer"	"integer"	"integer"	"integer"
##	TotalBCDeaths	TotalItalyDeaths		
##	"integer"	"integer"		

Total cases as of March 17, 2020: 183

Total deaths: 7

Plot



Italy

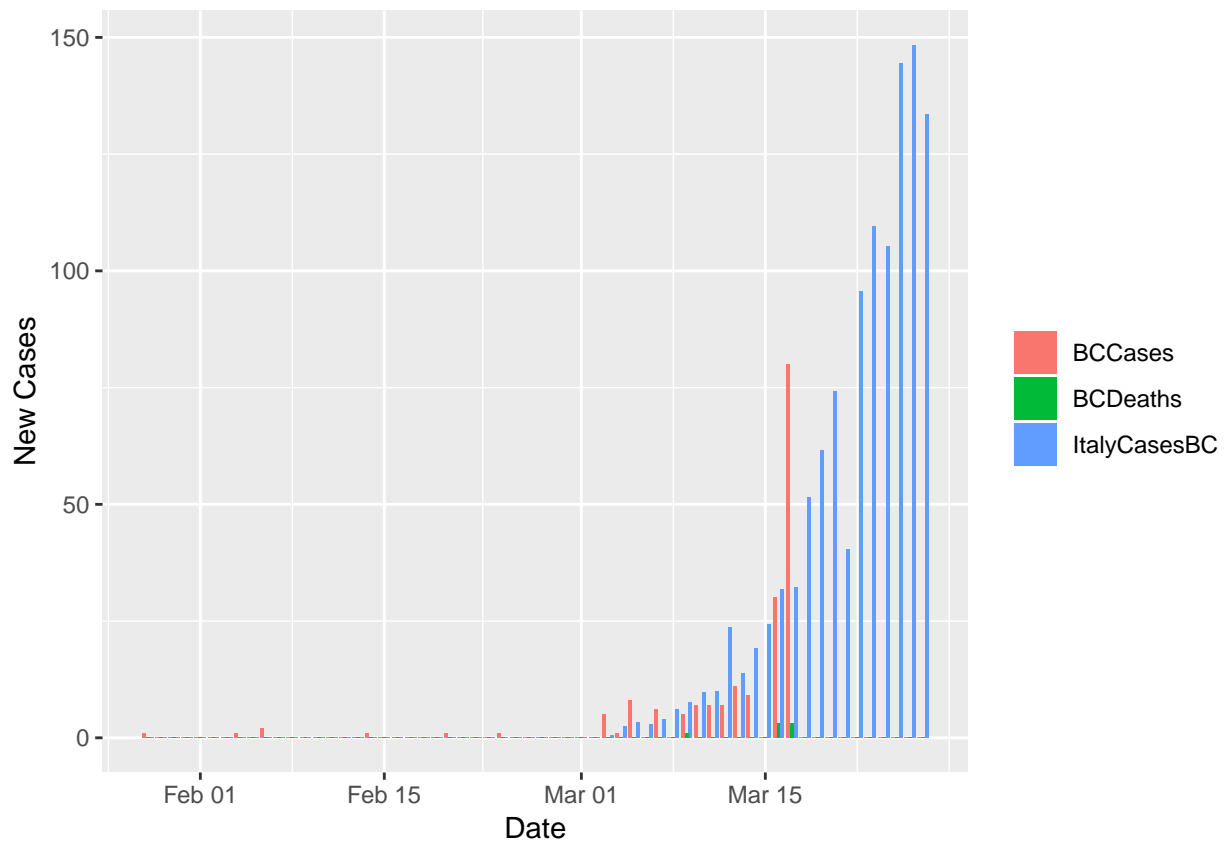
Let's compare this trend with Italy.

The population of Vancouver Metro is ~2.5M

The population of Italy is ~60.5M

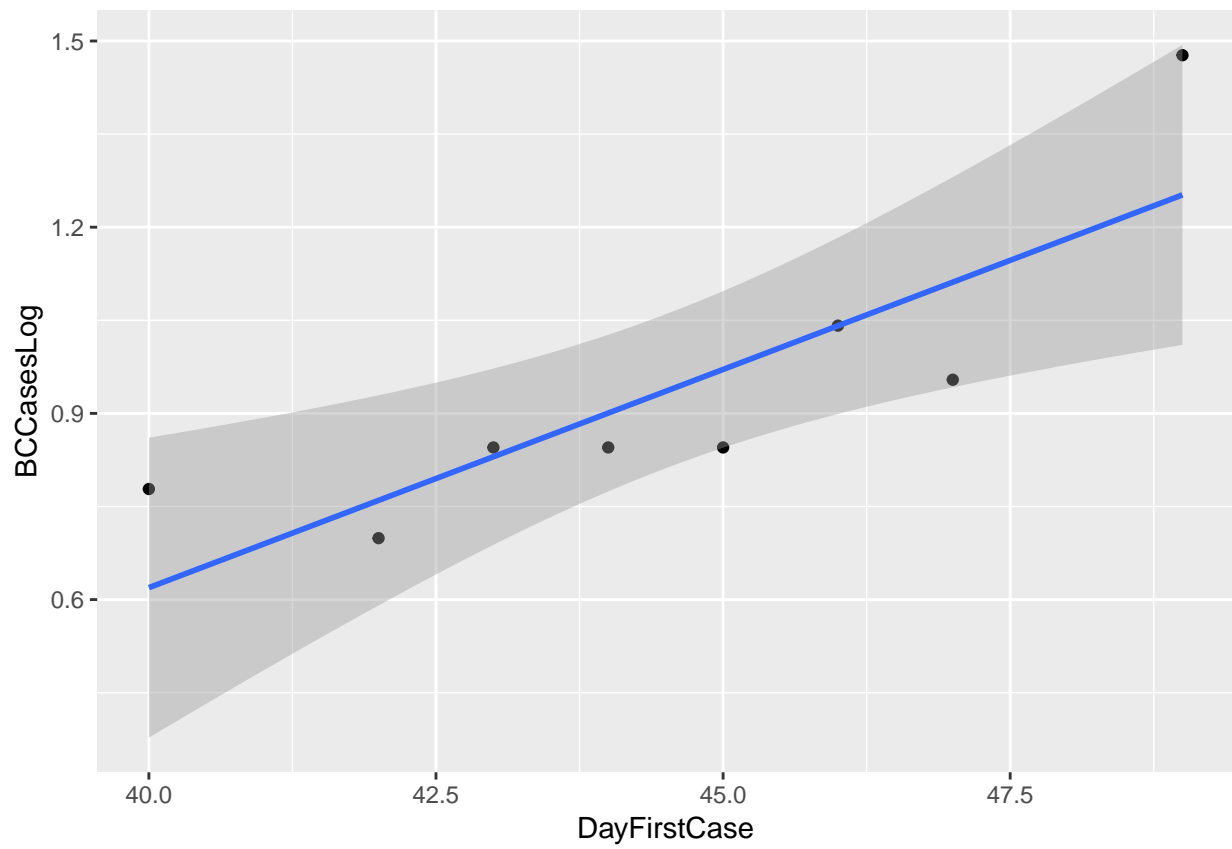
Which gives us a ratio of 0.0413223 Vancouver to Italy

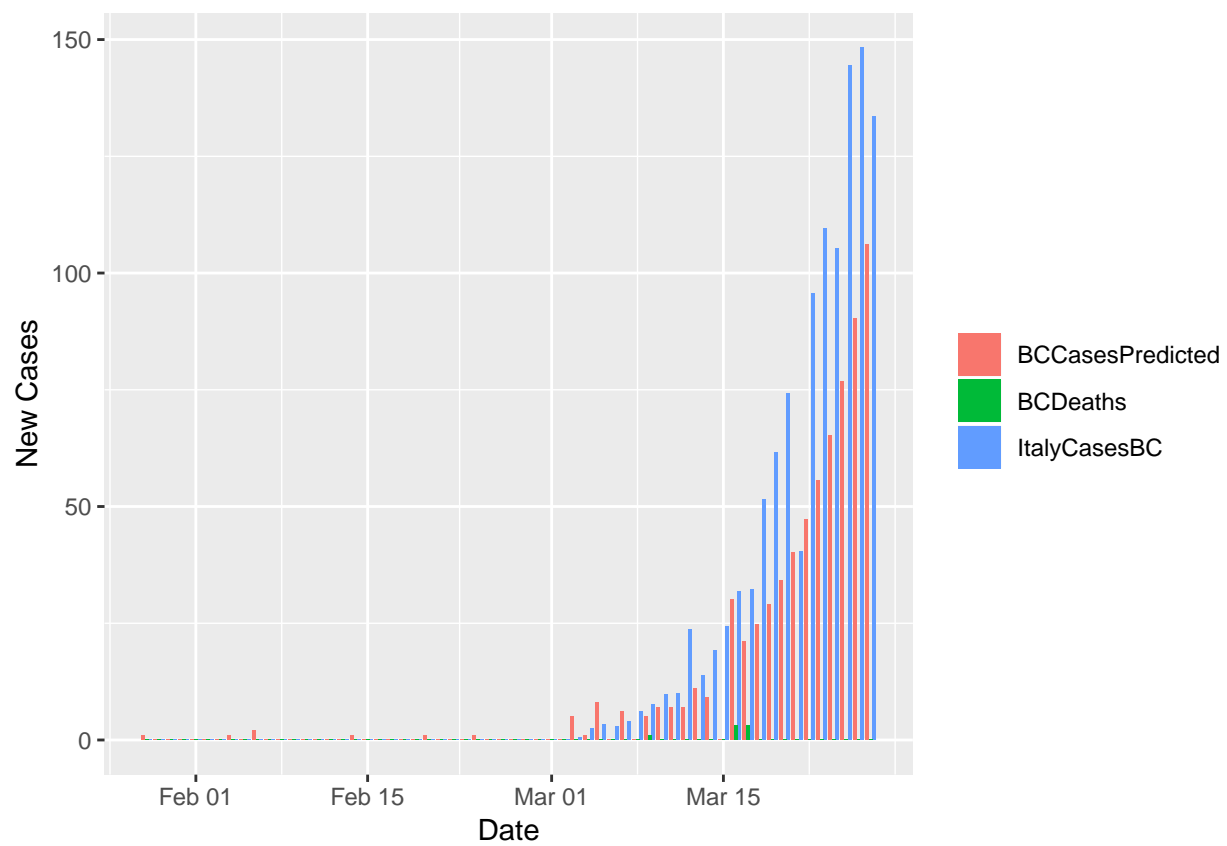
Using stats from <https://www.worldometers.info/coronavirus/country/italy/>, let's see if we can find a time that Italy had a similar Daily New Case level.



Log Trend March 16th, 2020

Let's take the raw data, perform a log transform, and then a linear fit. We can then try to predict future numbers.





Log Trend March 17th, 2020

Today it was announced there were 83 new cases
And 3 new deaths

