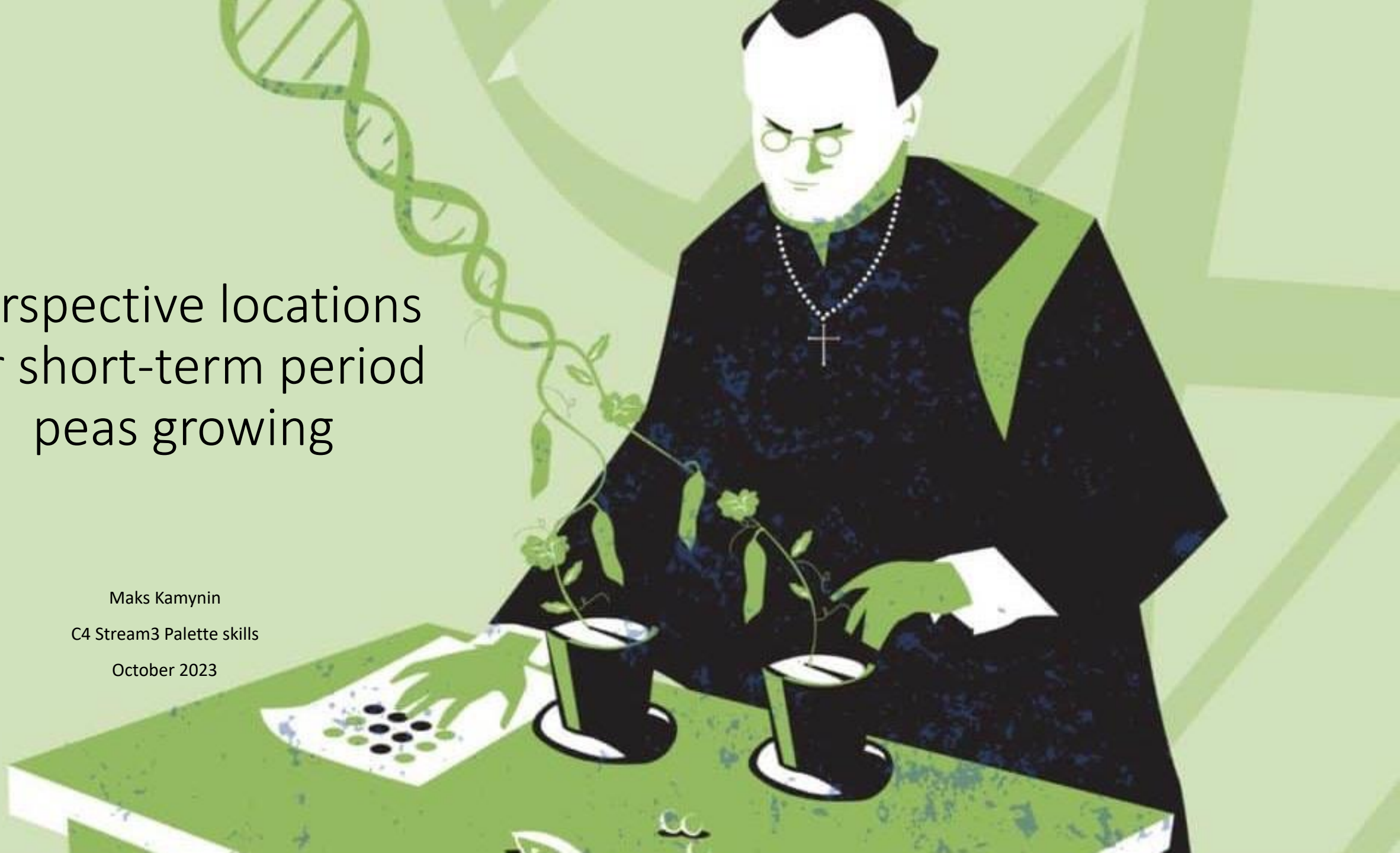


# Perspective locations for short-term period peas growing

Maks Kamynin

C4 Stream3 Palette skills

October 2023



# Situation

---



Mid size family farm company



Experienced in Peas growing in USA



Want to enter the Canadian market  
and looking for short/mid-period rent land  
in SK and MB according to  
the government support program



# Action plan

---



Get data from open sources about the yield of Peas in the SK and MB regions

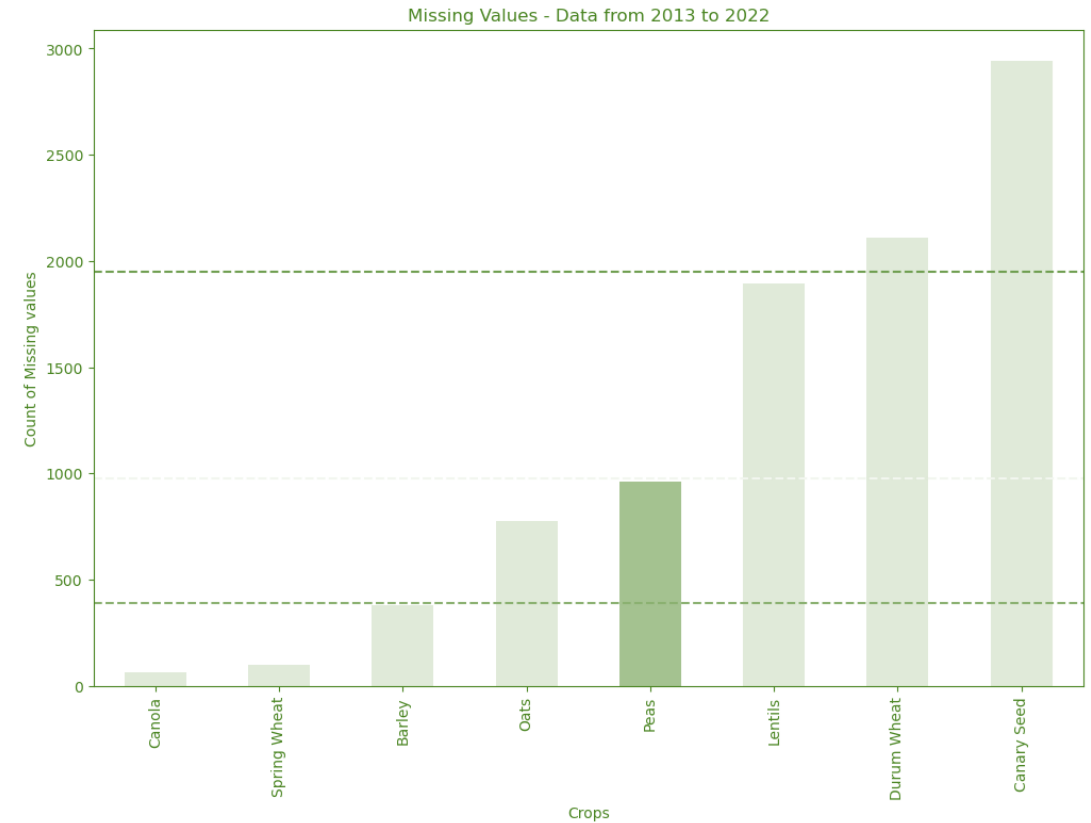
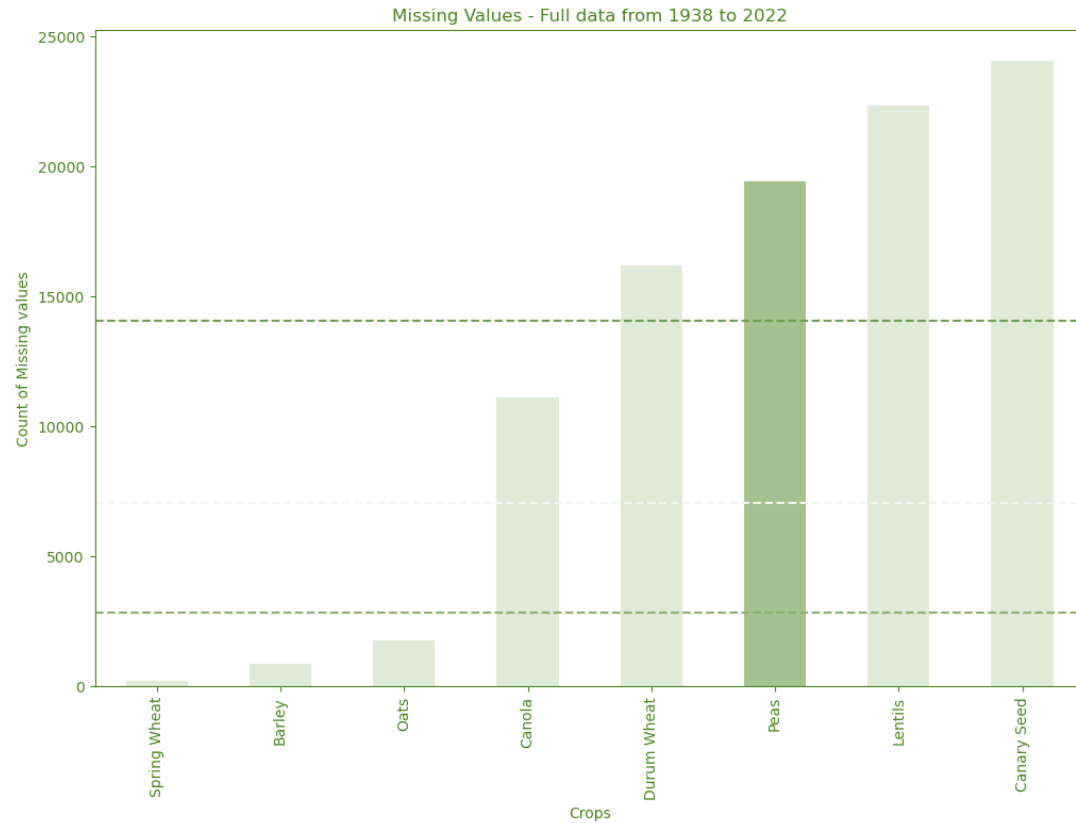


Analyzed data according to history, territories, trends and yield of crop



Make a list of territories for potential renting for 10+ years

# Data quality



Focused on the last 10 years of data  
Some of the data is missing

# Territories for analysis

---

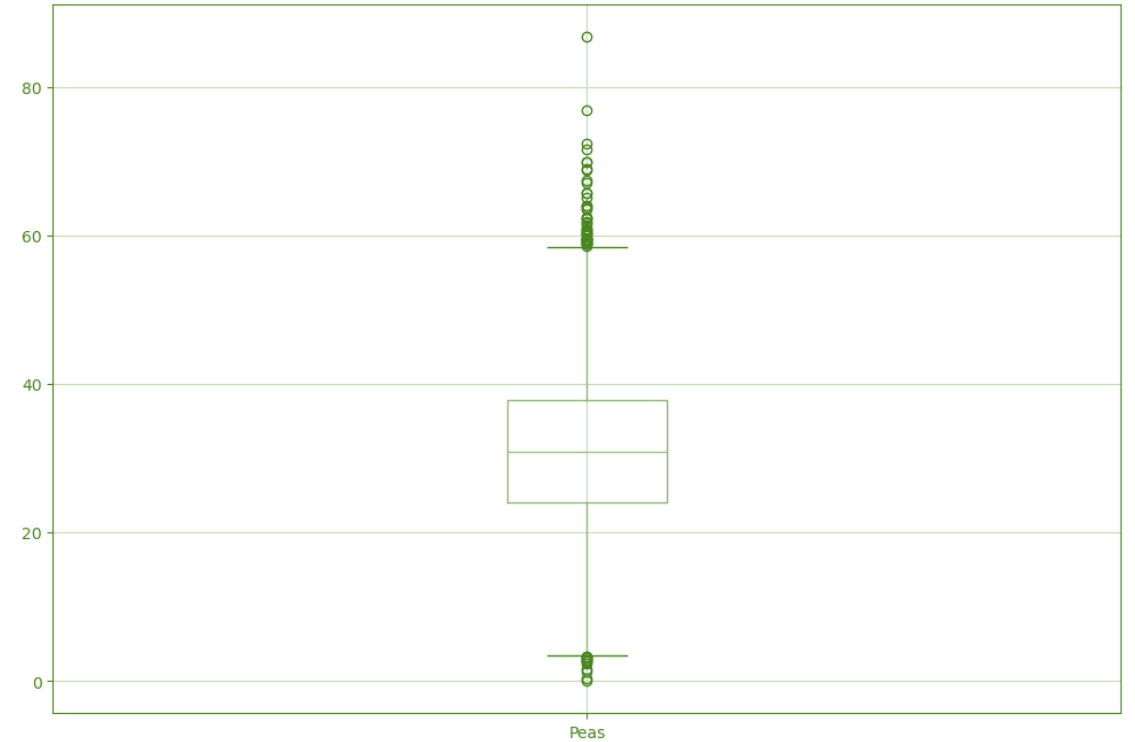
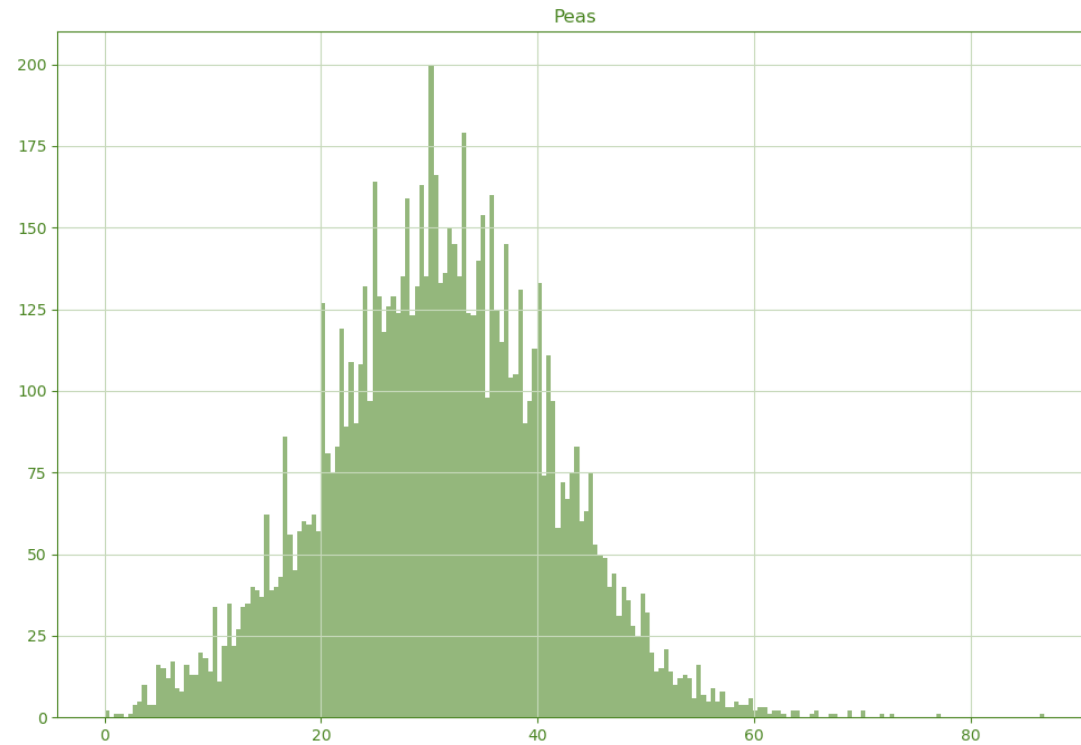


Most missing data from the  
Manitoba region

Results are different from year to year

# Outliers of data

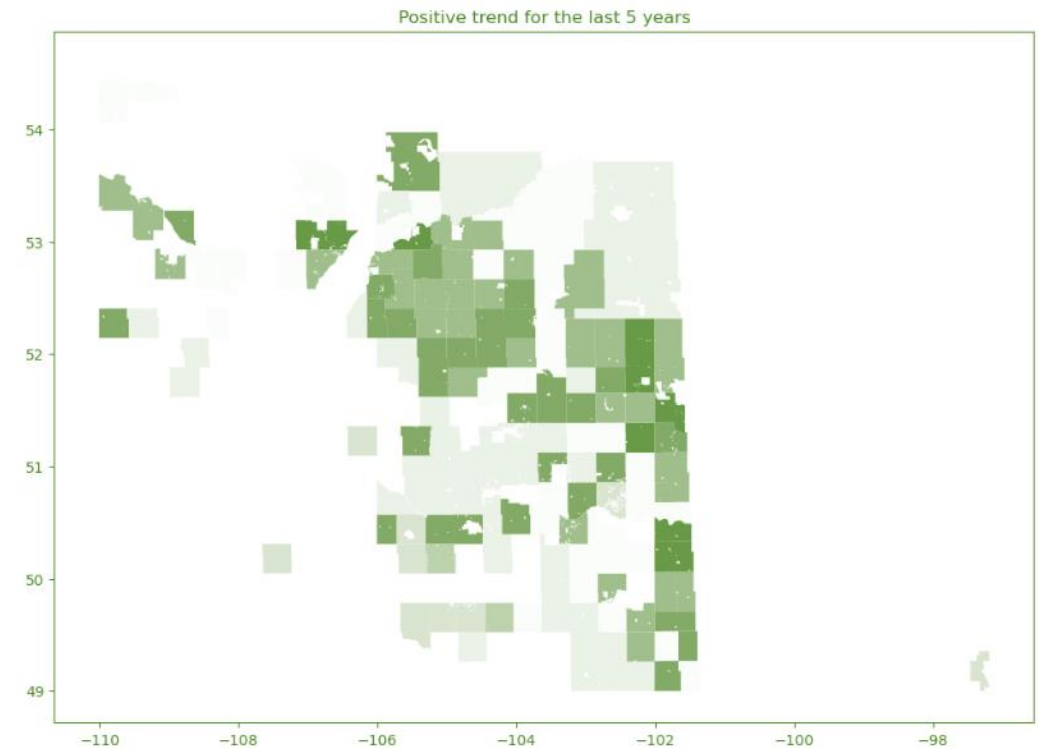
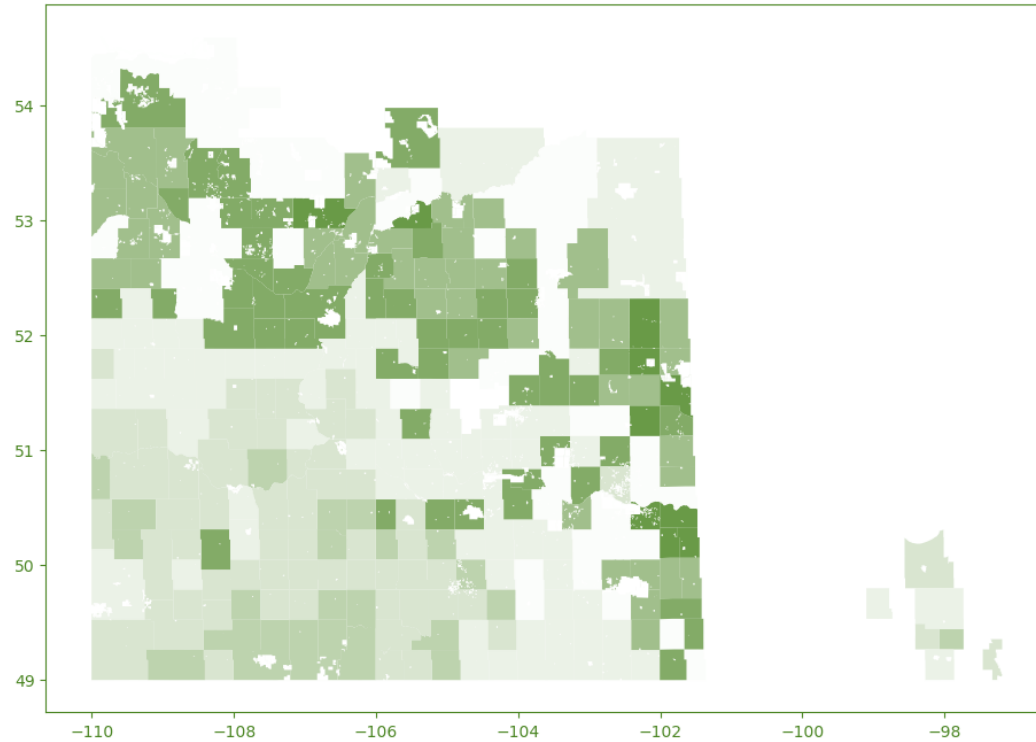
---



The shape of the histogram is appropriate for the next analysis  
Extreme outliers are insignificant

# Yield by clustering

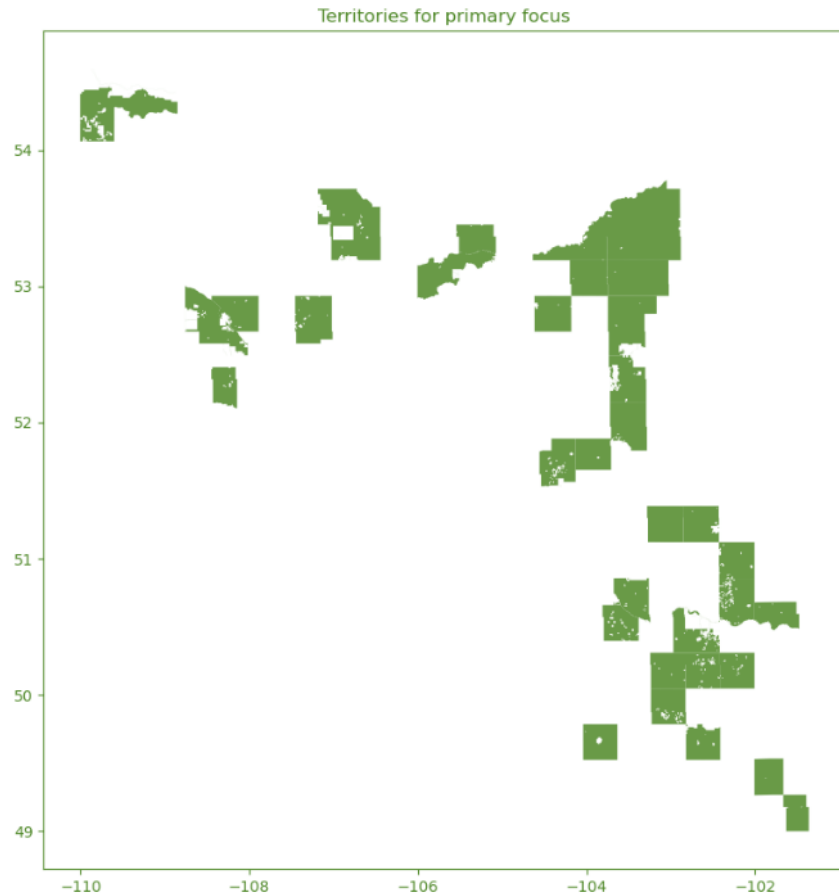
---



Split of yield by cluster on the map  
Comparison with positive trend of the last years

# Final result

---



39,14 mean yield for that region  
The next cluster result has 16% less value



List of the territories for short/mid renting:  
95, 378, 426, 245, 1, 125, 336, 366, 123, 124,  
67, 32, 308, 438, 213, 307, 486, 487, 244, 437,  
494, 490, 186, 154, 64, 156, 152, 435, 457, 456,  
183, 428, 622, 461