

Report analisi dell'aria

David Guzman Piedrahita e Marco Vinciguerra



14 novembre 2021

Abstract: Gestione dei grafici delle centraline prese in considerazione

1 Mappe

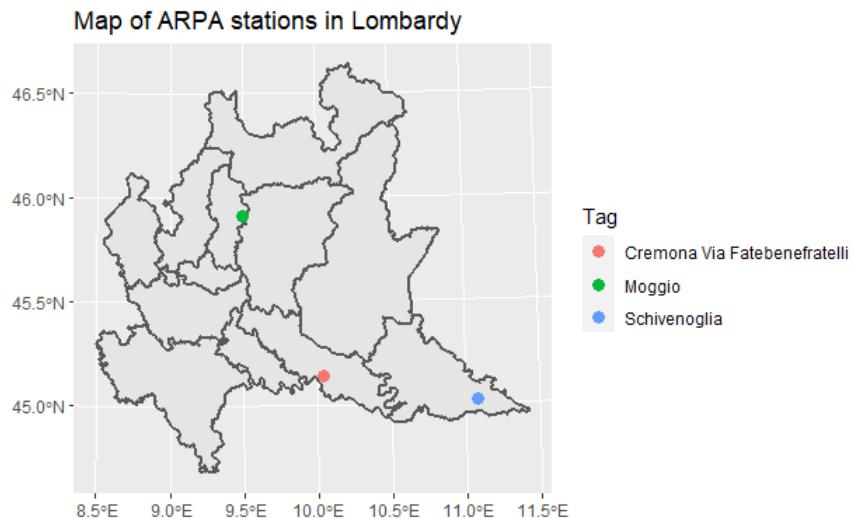


Figura 1: Centraline inquinanti

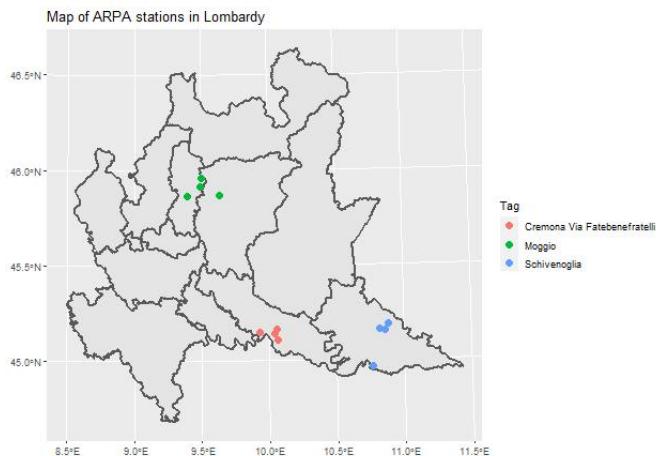


Figura 2: Stazioni meteo vicine alle stazioni inquinanti con i requisiti

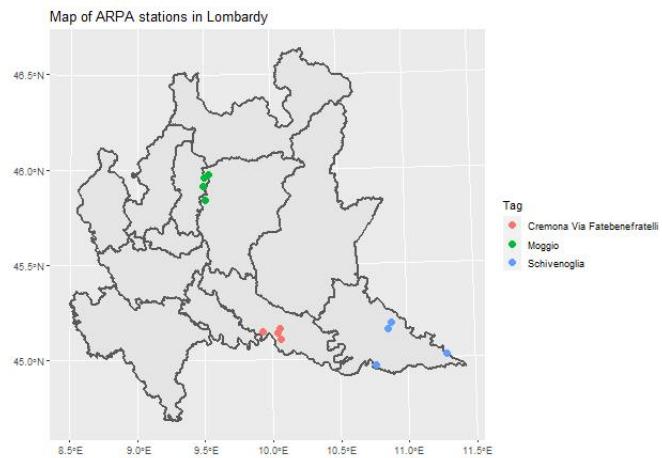
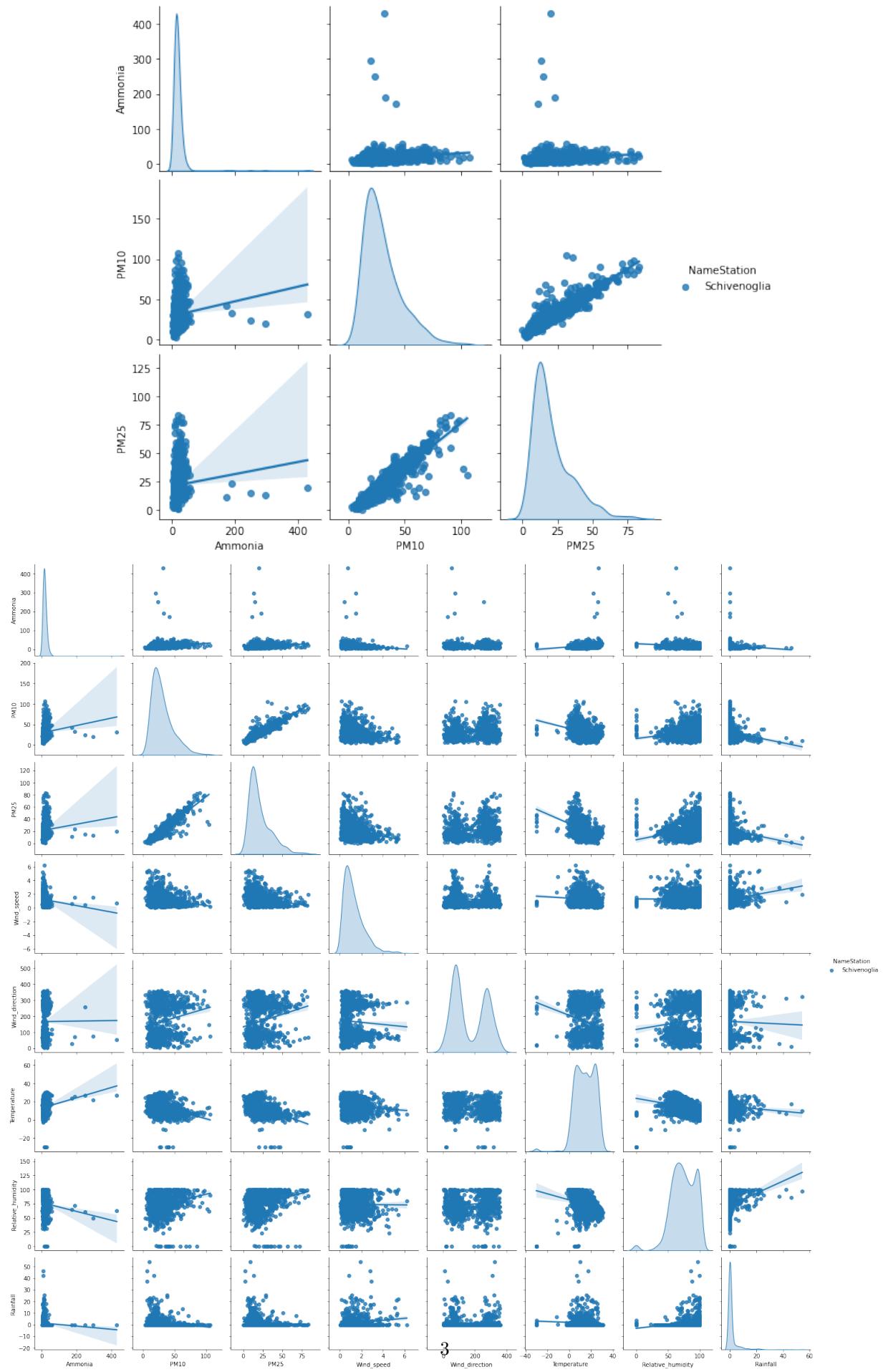


Figura 3: Stazioni meteo vicine alle stazioni inquinanti senza i requisiti

2 703: Schivenoglia (R)

2.1 Scatterplot



2.2 Pollutants

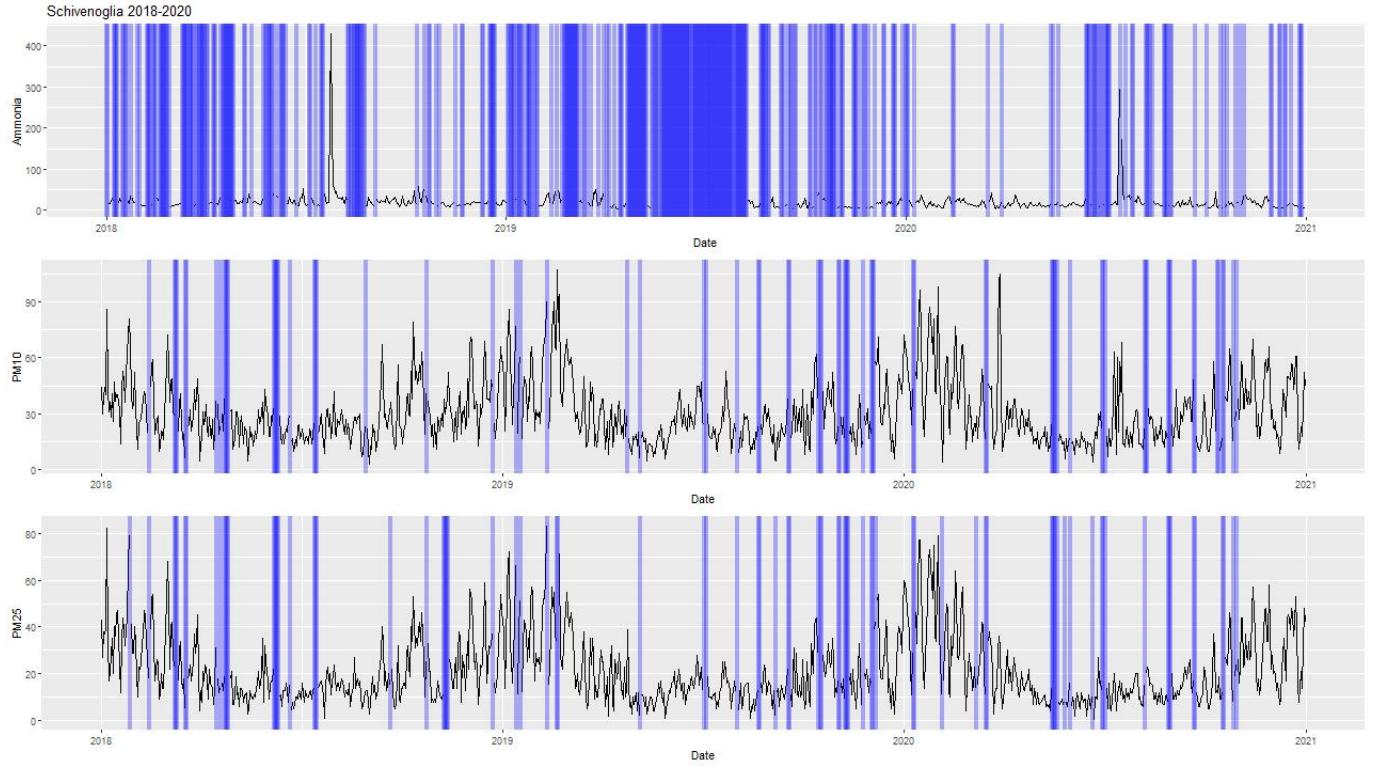


Figura 4: Schivenoglia 2018-2020

2.3 Weather

2.3.1 K=1

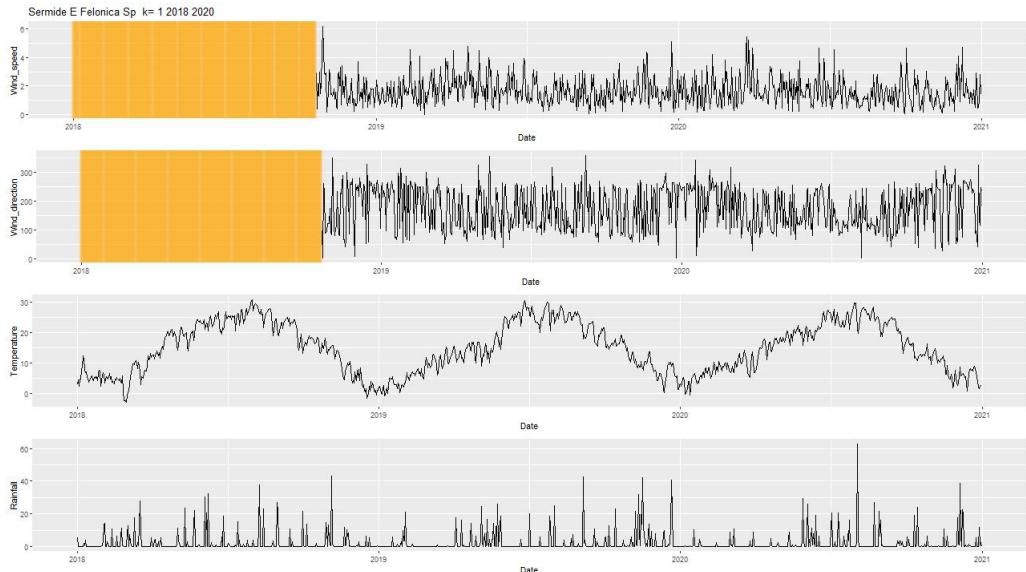


Figura 5: Sermide E Felonica Sp k = 1

2.3.2 K=2

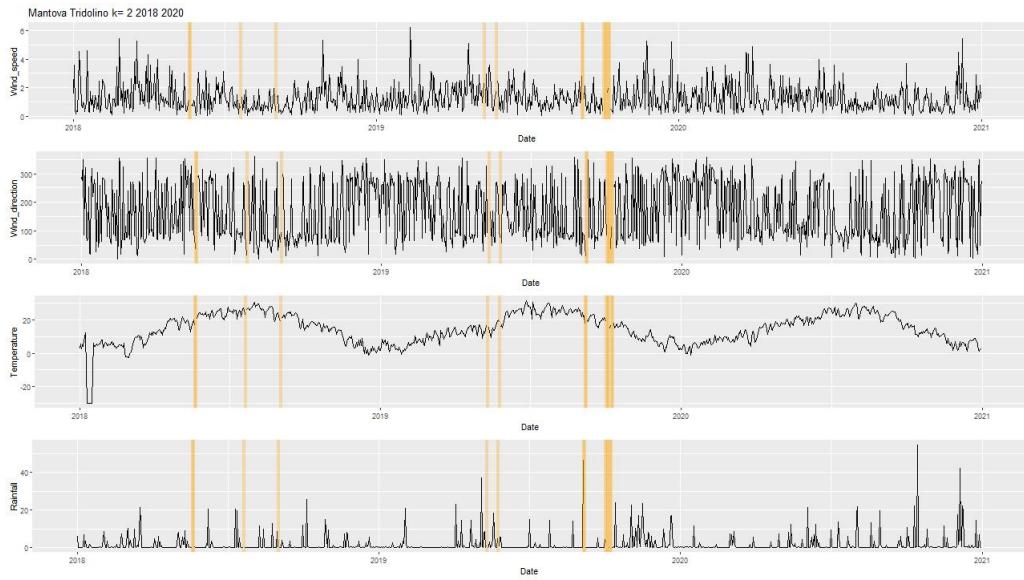


Figura 6: Mantova Tridolino k = 2

2.3.3 K=3

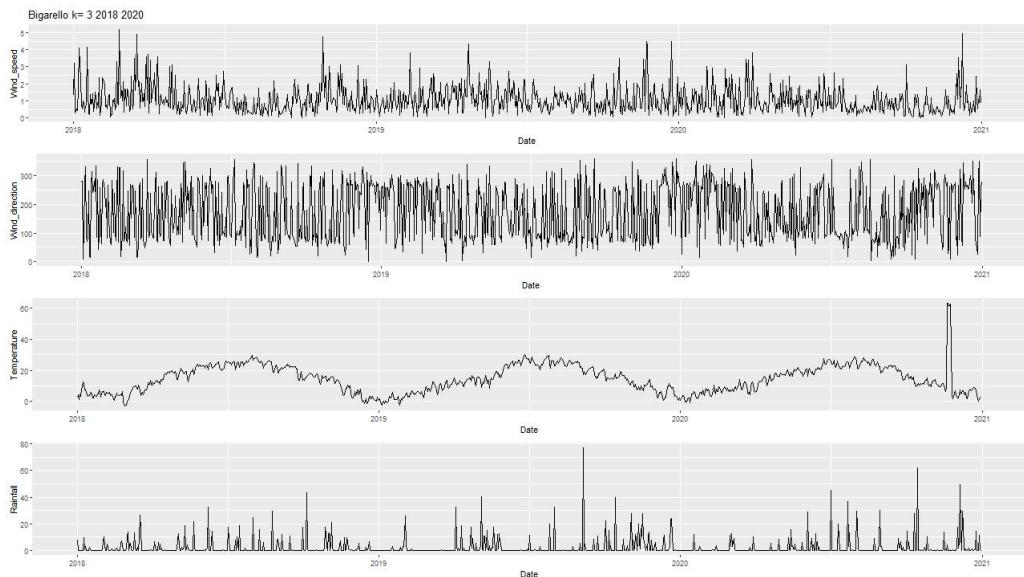


Figura 7: Bigarello k = 3

2.4 Barplots e piecharts

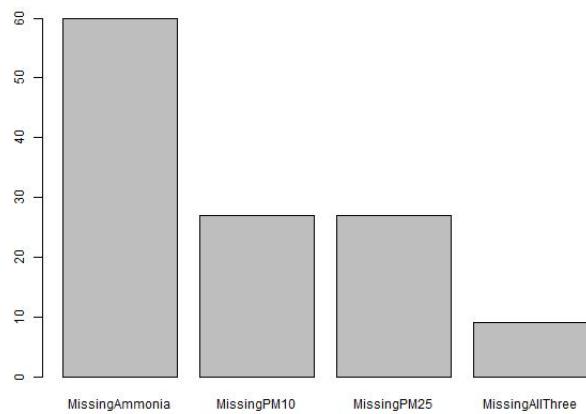


Figura 8: Schivenoglia BarPlot

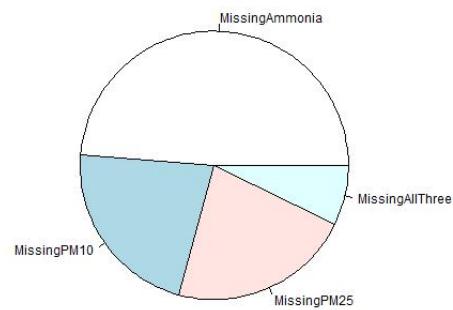
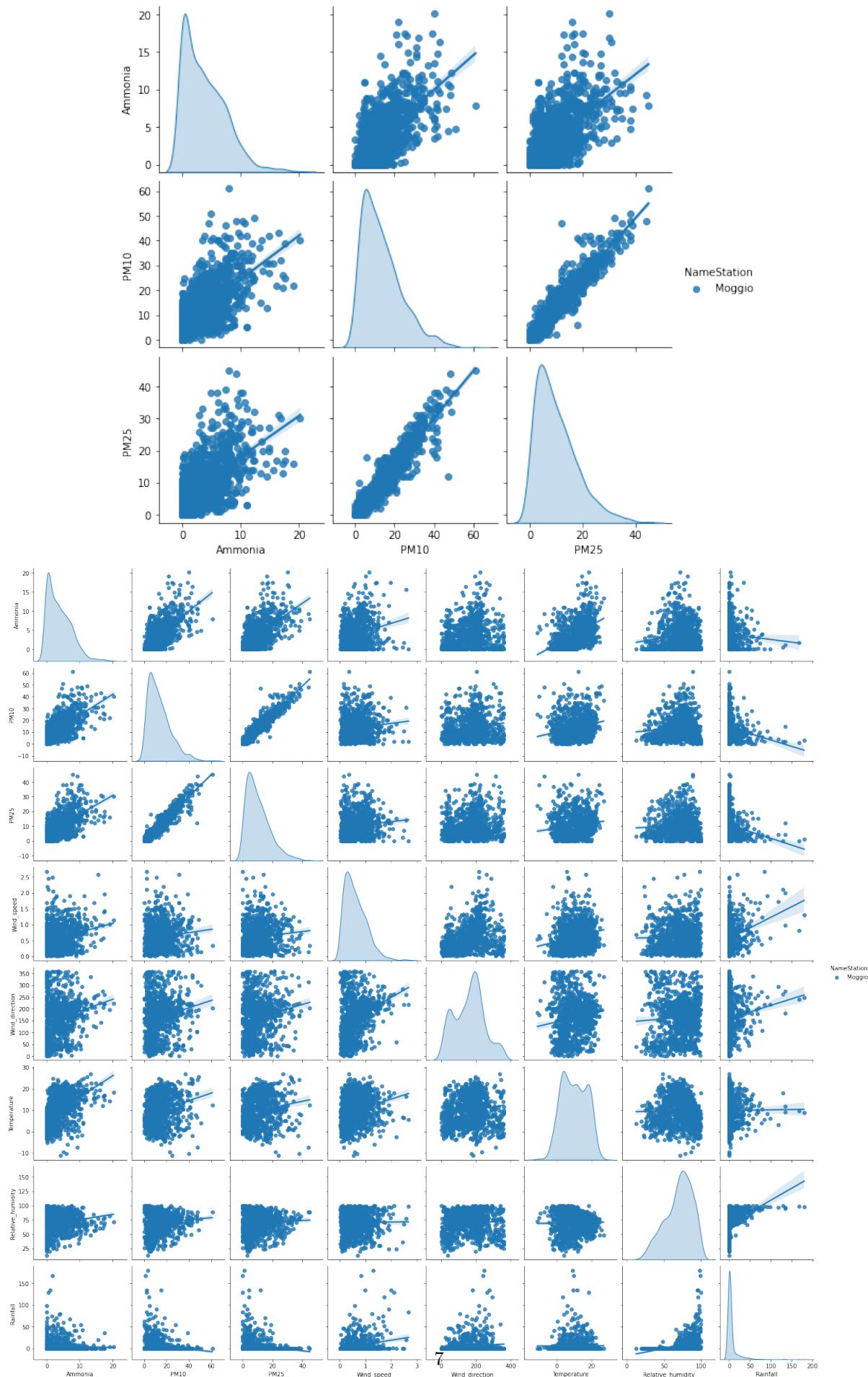


Figura 9: Schivenoglia PieChart

3 681: Moggio (R)

3.1 Scatterplot



3.2 Pollutants

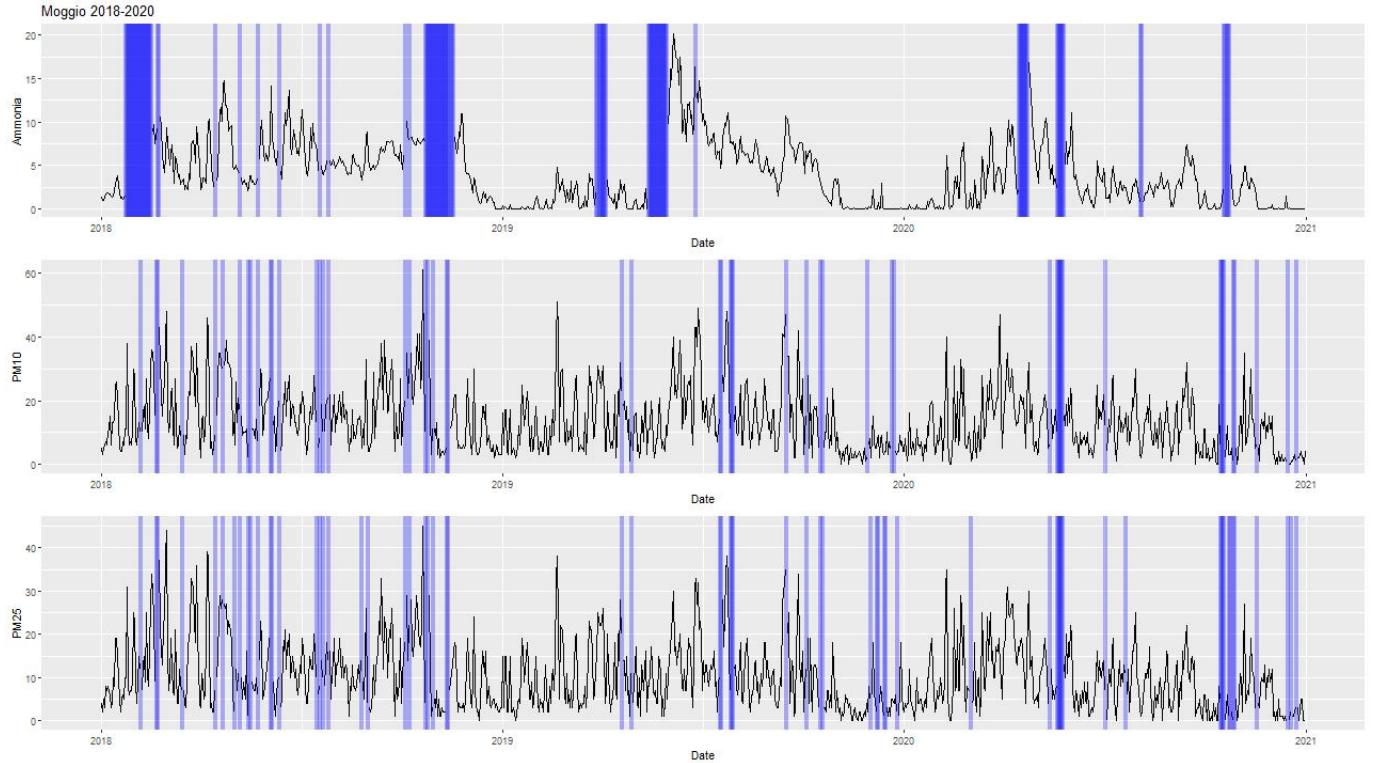


Figura 10: Moggio 2018-2020

3.3 Weather

3.3.1 K=1

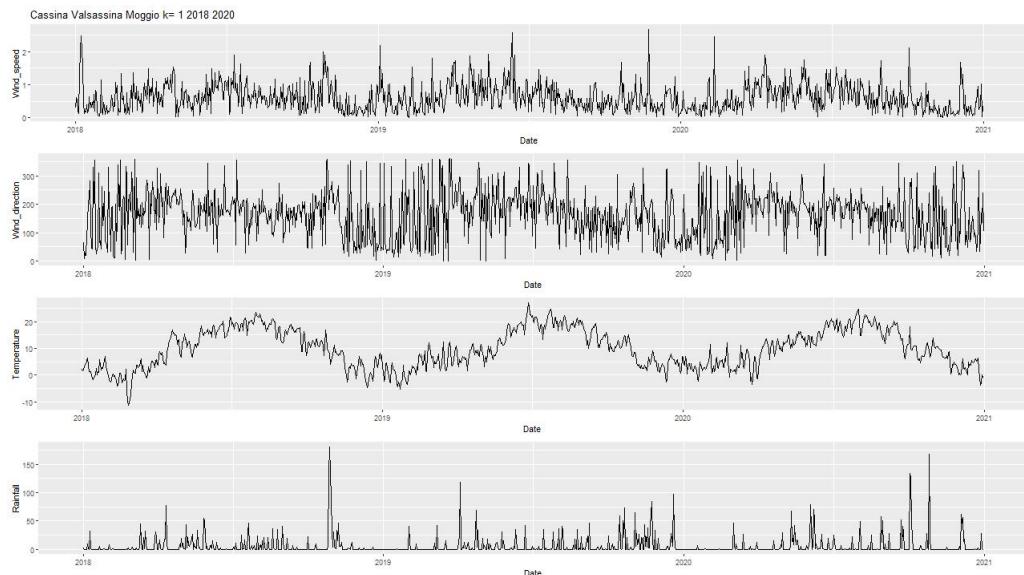


Figura 11: Cassina Valsassina Moggio k = 1

3.3.2 K=2

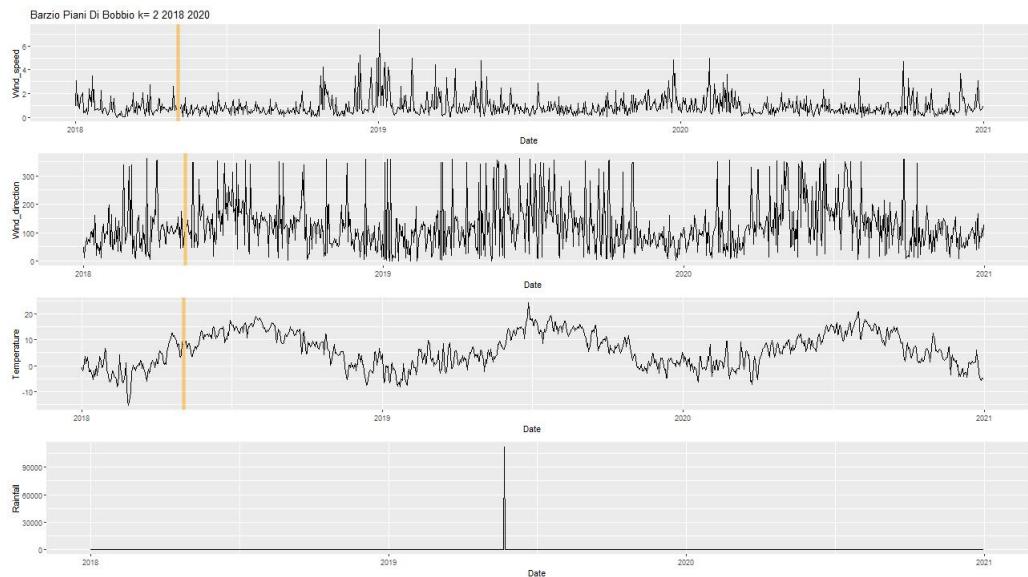


Figura 12: Barzio Piani Di Bobbio k = 2

3.4 Barplots e piecharts

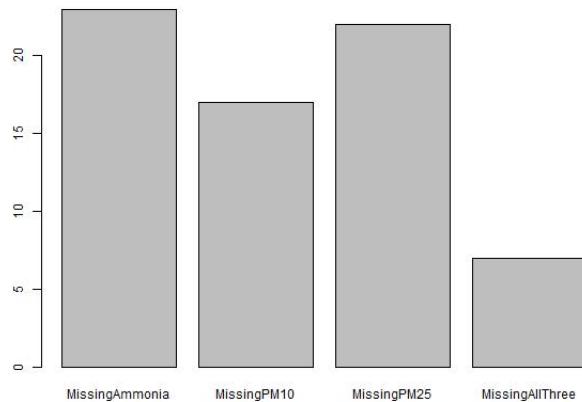


Figura 13: Moggio BarPlot

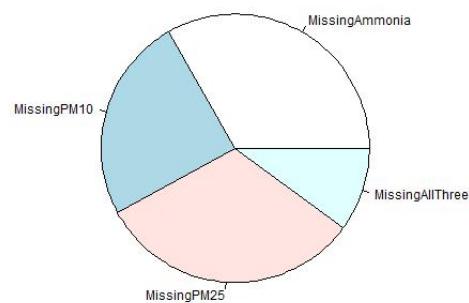
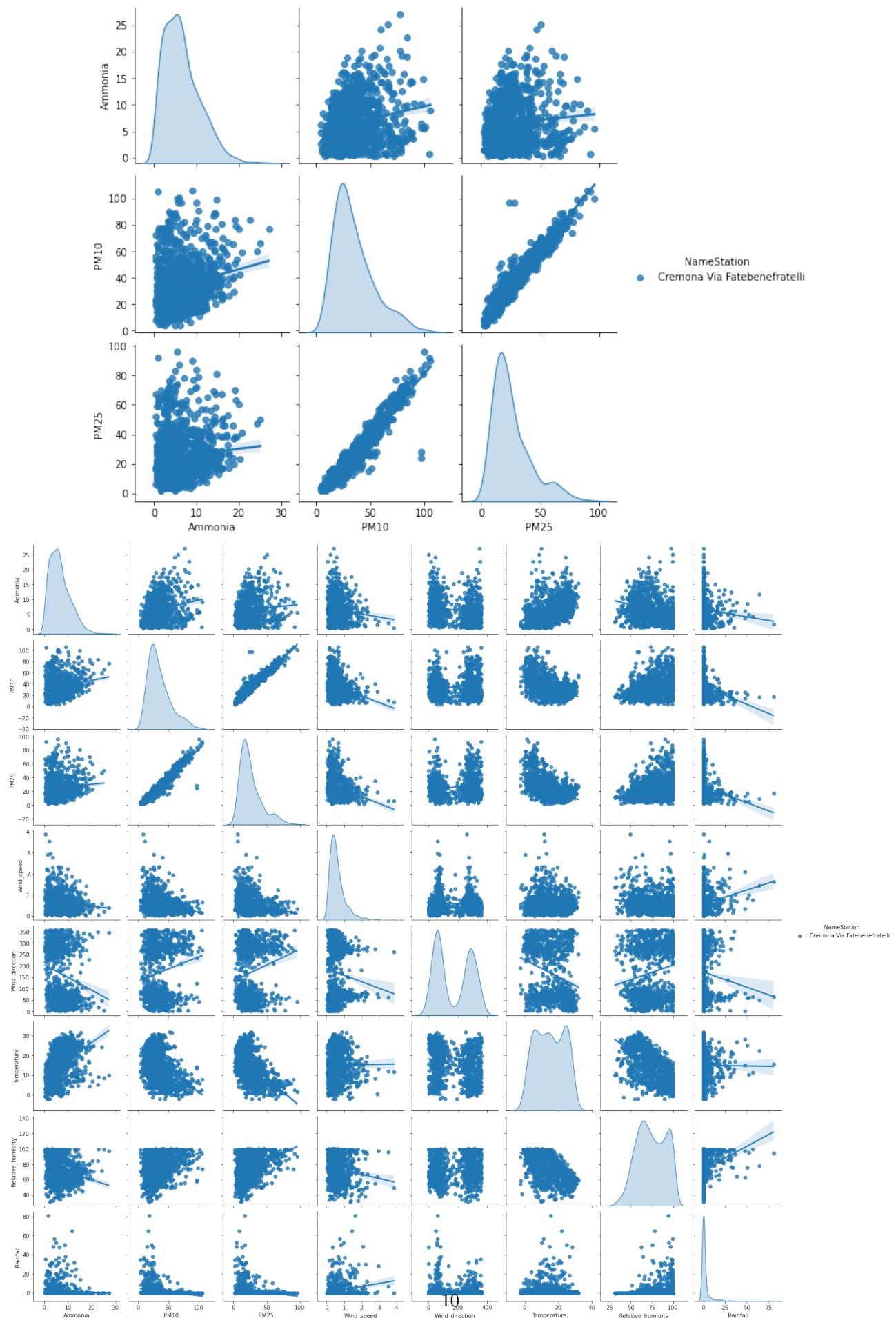


Figura 14: Moggio PieChart

4 627: Cremona via Fatebenefratelli (U)

4.1 Scatterplot



4.2 Pollutants

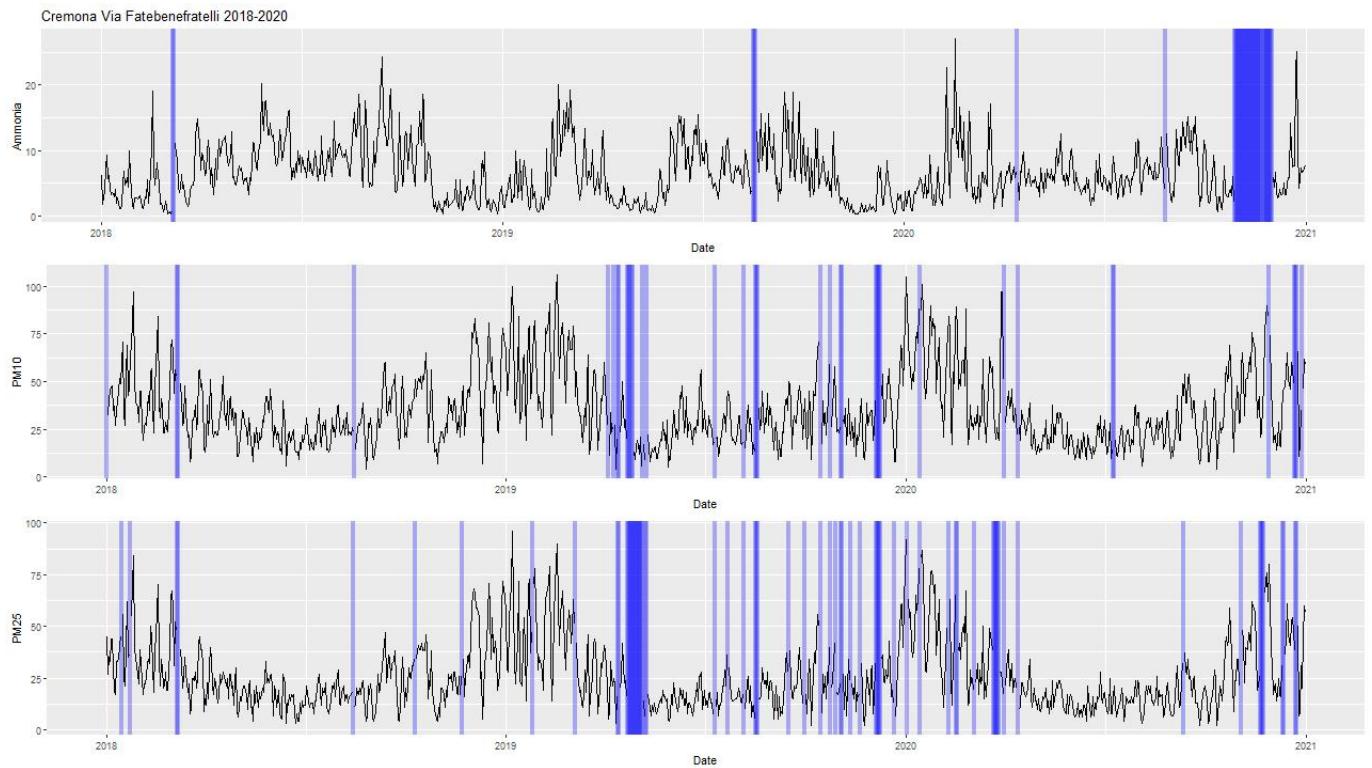


Figura 15: Cremona P.zza Cadorna (U) 2018-2020

4.3 Weather

4.3.1 K=1

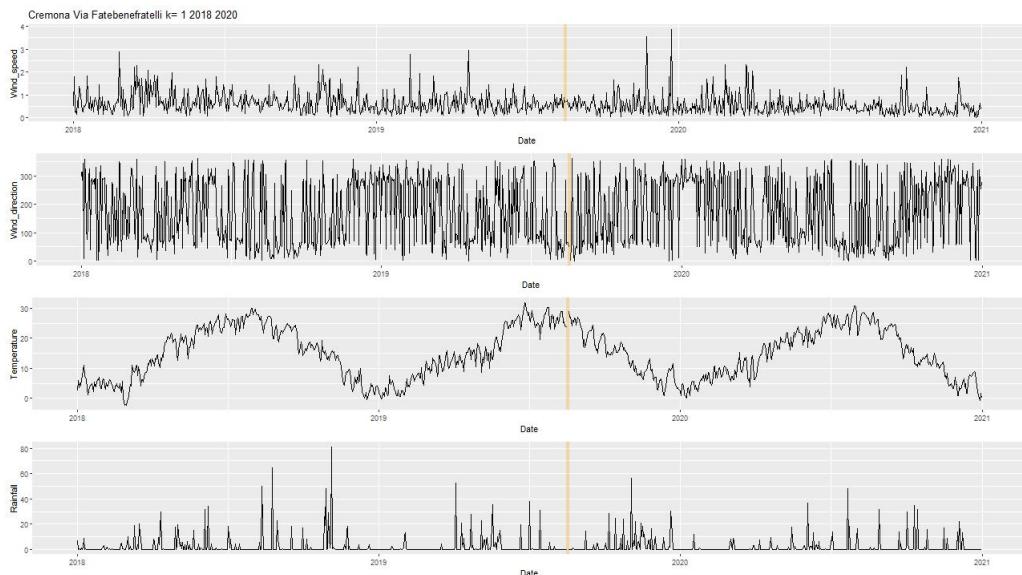


Figura 16: Cremona Via Fatebenefratelli k = 1

4.3.2 K=2

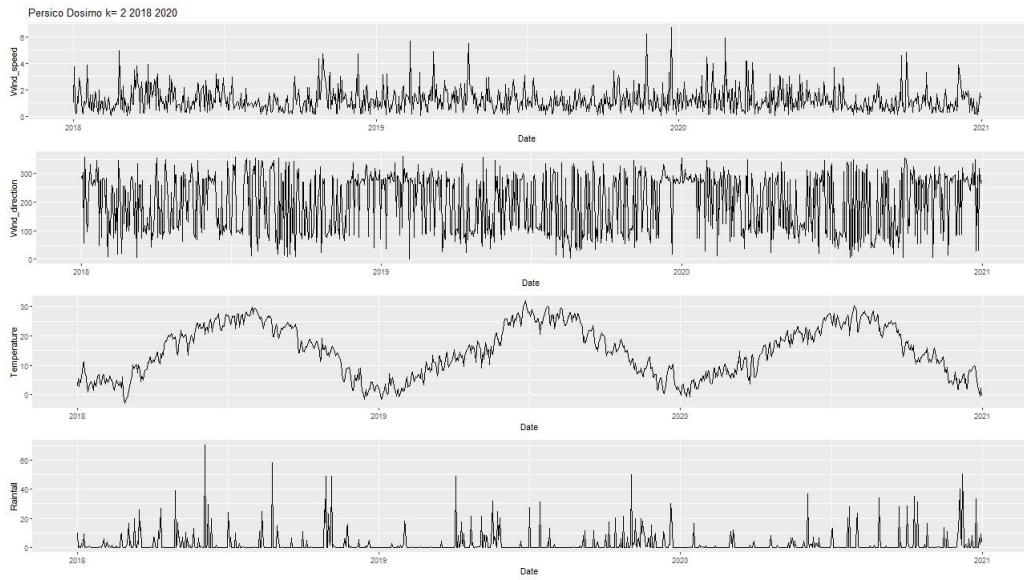


Figura 17: Persico Dosimo k = 2

4.3.3 K=3

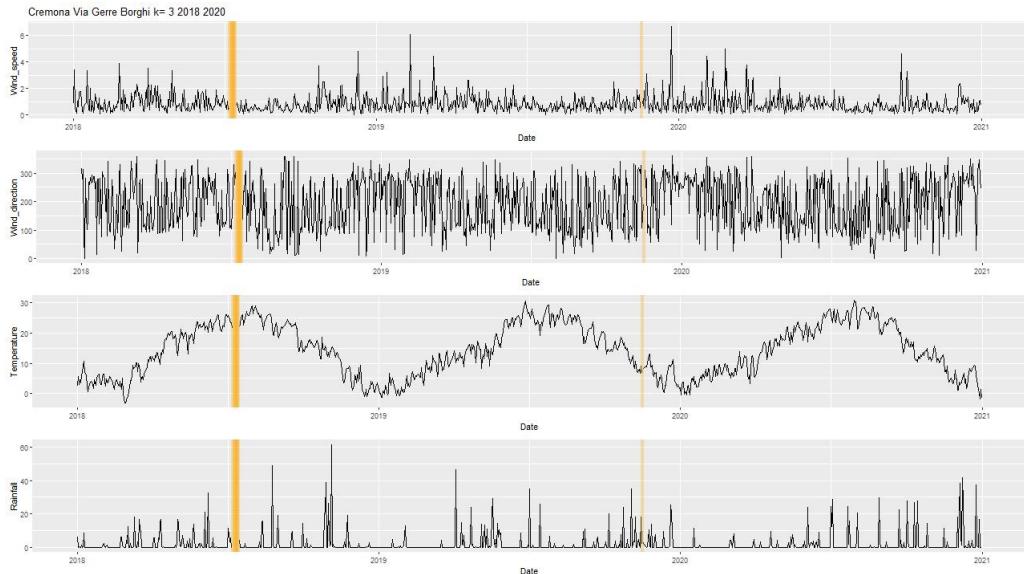


Figura 18: Cremona Via Gerre Borghi k = 3

4.4 Barplots e piecharts

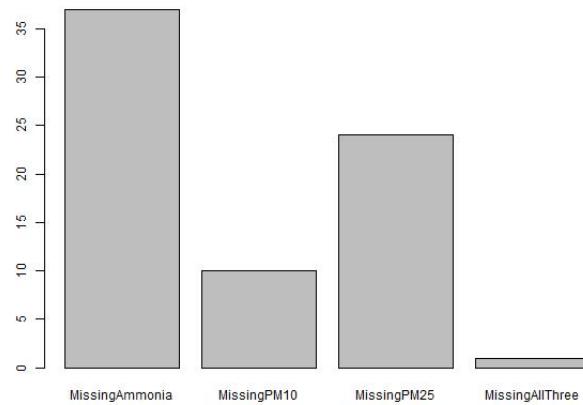


Figura 19: Cremona Via Fatebenefratelli BarPlot

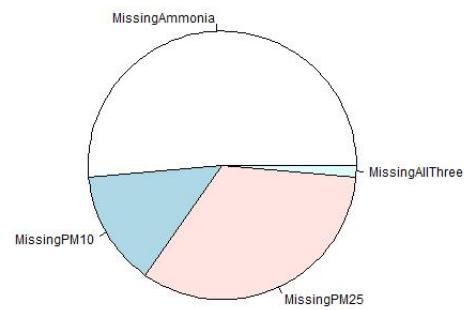


Figura 20: SchivenogliCremona Via Fatebenefratelli PieChart

5 Neural Network

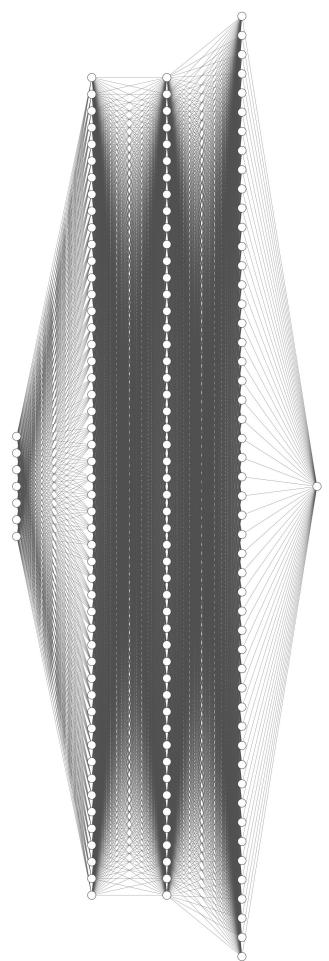


Figura 21: Information about the neurale network: input: last 7 days, 3 hidden layers with 50 neurons and 1 output