Leveraging insurance customer data to characterize socioeconomic indicators of Swiss municipalities

Lorenzo Donadio¹, Rossano Schifanella^{2, 3}, Claudia R. Binder¹, Emanuele Massaro^{1*, 2}

- ${\bf 1}$ HERUS Lab, Ecole polytechnique federale de Lausanne, ENAC, IIE, GR C1 455 (Batiment GR) Station 2, 1015 Lausanne, Switzerland
- 2 University of Turin, Corso Svizzera 185, 10149, Turin, Italy
- 3 ISI Foundation, Via Chisola 5, 10126, Turin, Italy

Now at the European Commission Joint Research Centre, Ispra, Italy

February 22, 2021 1/7

^{*} ema.massaro@gmail.com

Appendix

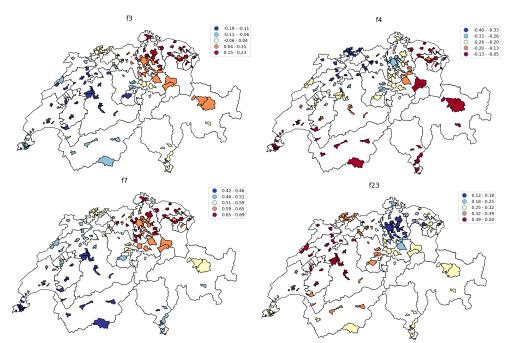


Fig A.1. GWR coefficients for all the features extracted as predictors for the variable $\mathbf{p1}$.

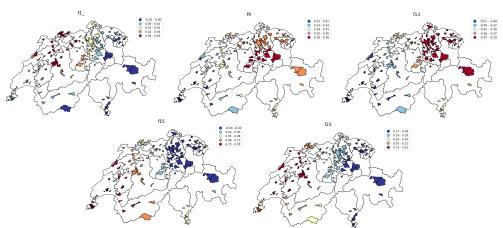


Fig A.2. GWR coefficients for all the features extracted as predictors for the variable p2.

February 22, 2021 2/7

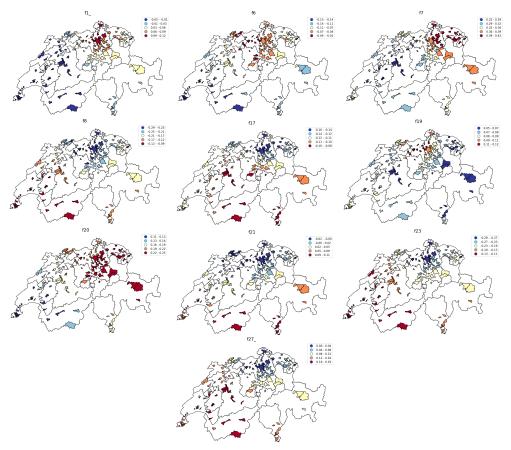


Fig A.3. GWR coefficients for all the features extracted as predictors for the variable ${f t1}$.

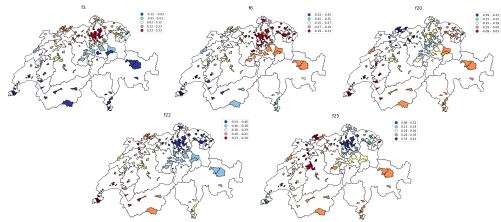


Fig A.4. GWR coefficients for all the features extracted as predictors for the variable

February 22, 2021 3/7

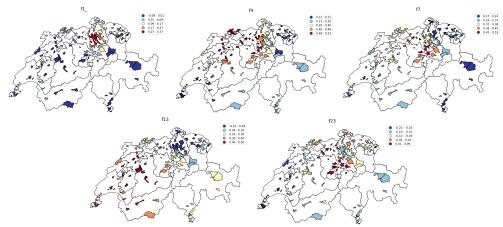


Fig A.5. GWR coefficients for all the features extracted as predictors for the variable w1

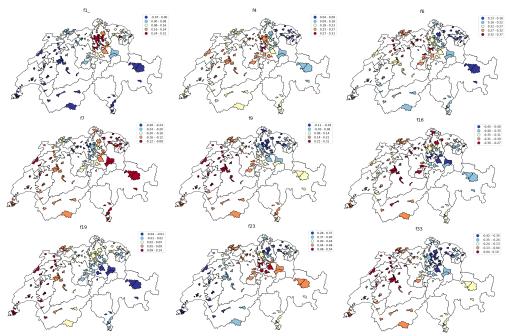


Fig A.6. GWR coefficients for all the features extracted as predictors for the variable w2.

February 22, 2021 4/7

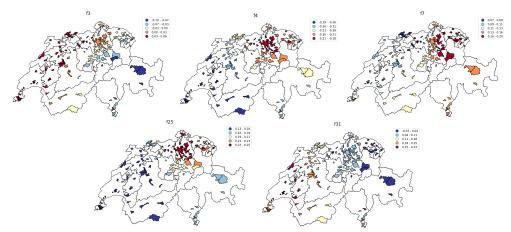


Fig A.7. GWR coefficients for all the features extracted as predictors for the variable s1.

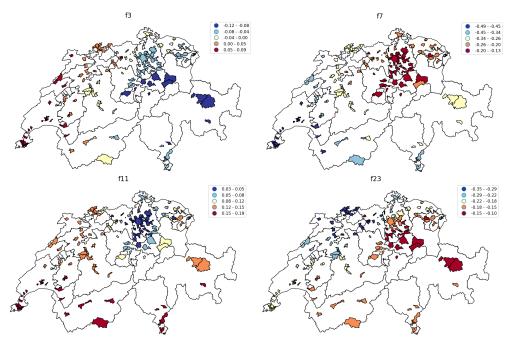


Fig A.8. GWR coefficients for all the features extracted as predictors for the variable **s2**.

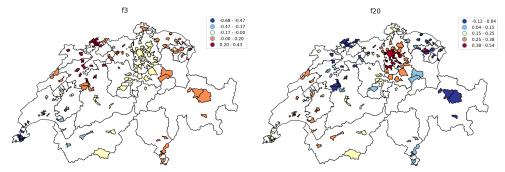


Fig A.9. GWR coefficients for all the features extracted as predictors for the variable **h1**.

February 22, 2021 5/7

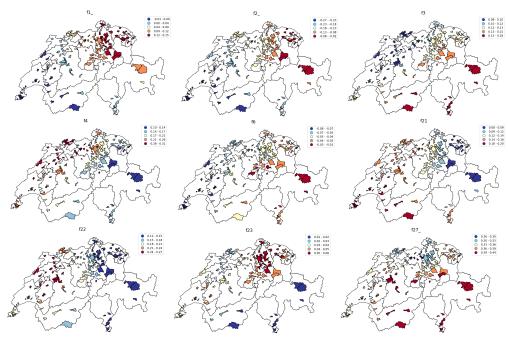


Fig A.10. GWR coefficients for all the features extracted as predictors for the variable ${\bf h2}$.



Fig A.11. GWR coefficients for all the features extracted as predictors for the variable e1

February 22, 2021 6/7

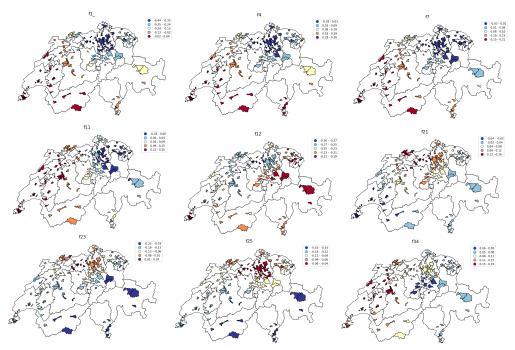


Fig A.12. GWR coefficients for all the features extracted as predictors for the variable ${\bf e2}$.

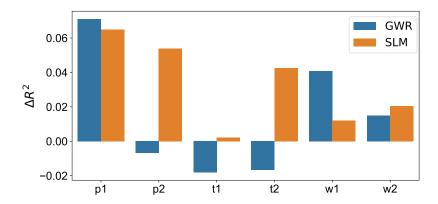


Fig A.13. Variation of the predictive performance due to the removal of not surprising features.

February 22, 2021 7/7