**Supplementary**

A group of graphs showing the different types of data

Description automatically generated with medium confidenceA group of graphs showing the different types of graphs

Description automatically generated with medium confidence

**FIG S1** . (a) Reaction of water consumption to air temperature in annual status in GLM and SVM-Nu models, (b) Reaction of water consumption to air temperature in the summer condition in the GLM and SVM-Nu models, (c) Reaction of water consumption to air temperature in the winter season in GLM and SVM-Nu models, (d) Reaction of water consumption to air pressure in the winter season in GLM and SVM-Nu models, (e) Reaction of water consumption to air pressure in the summer condition in the GLM and SVM-Nu models , (f) Reaction of water consumption to air temperature in the summer status in GLM and SVM-Nu models, (g) Reaction of water consumption to air humidity in annual status in GLM and SVM-Nu models , (h) Reaction of water consumption to air humidity in the summer condition in the GLM and SVM-Nu models, (i) Reaction of water consumption to air humidity in the winter season in GLM and SVM-Nu models.