

CLEAN WATER SUPPLY AND END WATER SCARCITY IN PHILIPPINES



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6 CLEAN WATER AND SANITATION



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CURRENT CONCERN



Out of the 109 million people that live there, **57 million (52% of the population) do not have access to a dependable supply of water that is securely managed, and 43 million (39%) do not have access to home sanitary facilities that are safely managed.** Despite its increasing economy, the Philippines confronts substantial water and sanitation access difficulties. The country is quickly urbanizing, and its expanding cities are struggling to provide appropriate water and sanitation facilities to new citizens



SIGNIFICANCE

- Students
- Teachers
- Government Officials
- Future Researchers

METHODS

Conducting an empirical research is an appropriate method for this topic. Empirical research is research that is based on observation and measurement of phenomena, as directly experienced by the researcher.

The data thus gathered may be compared against a theory or hypothesis, but the results are still based on real life experience. By that different analysis and conclusions will be provided about the issue of water scarcity in the Philippines.

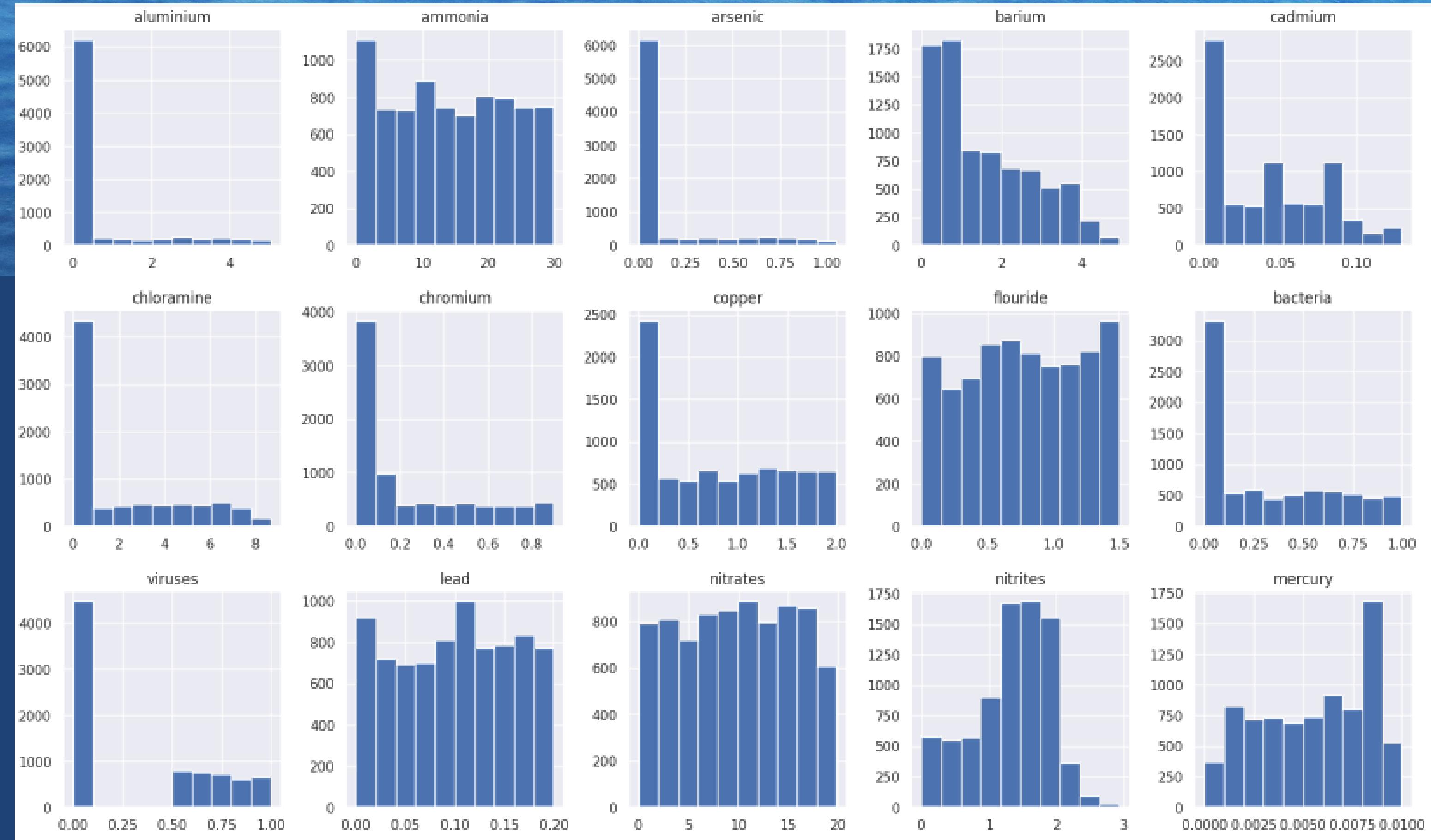


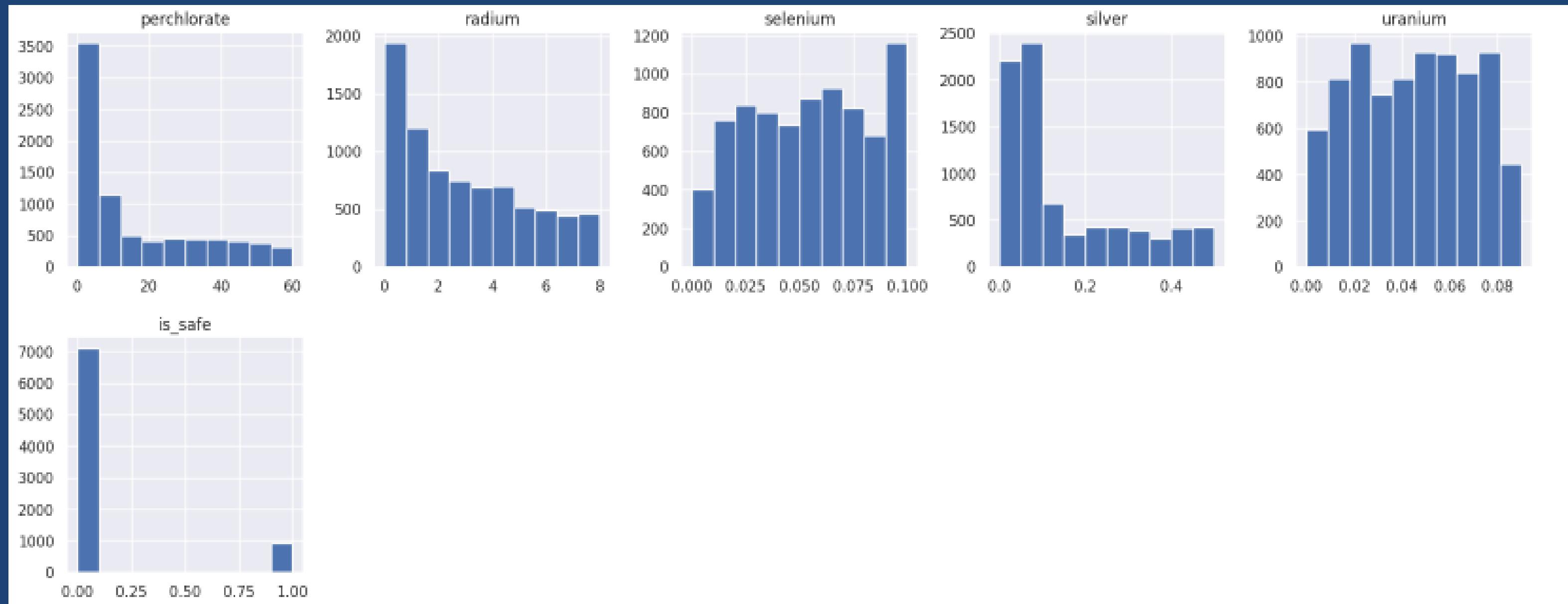
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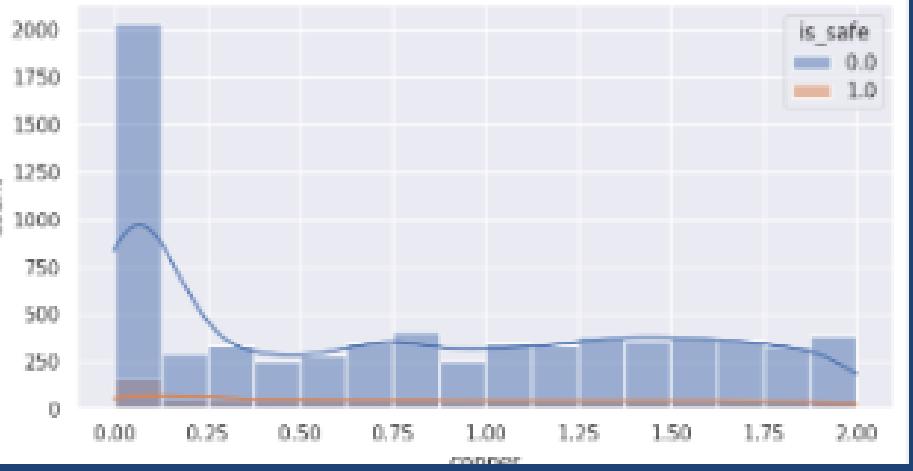
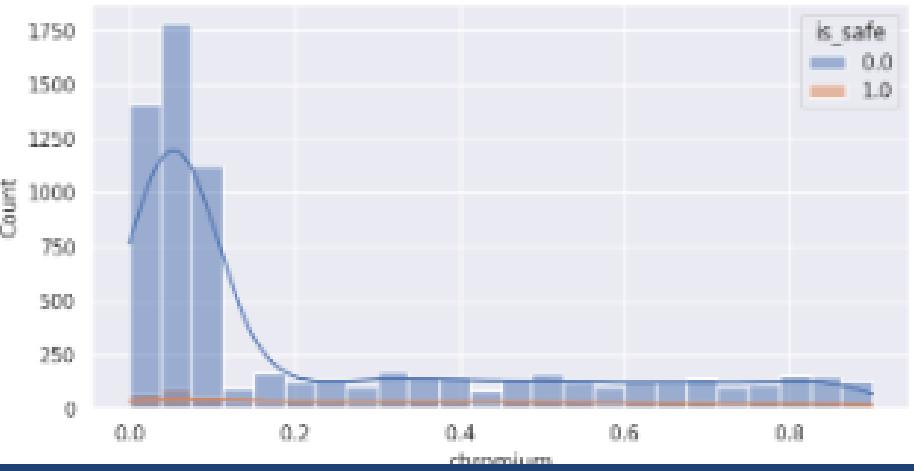
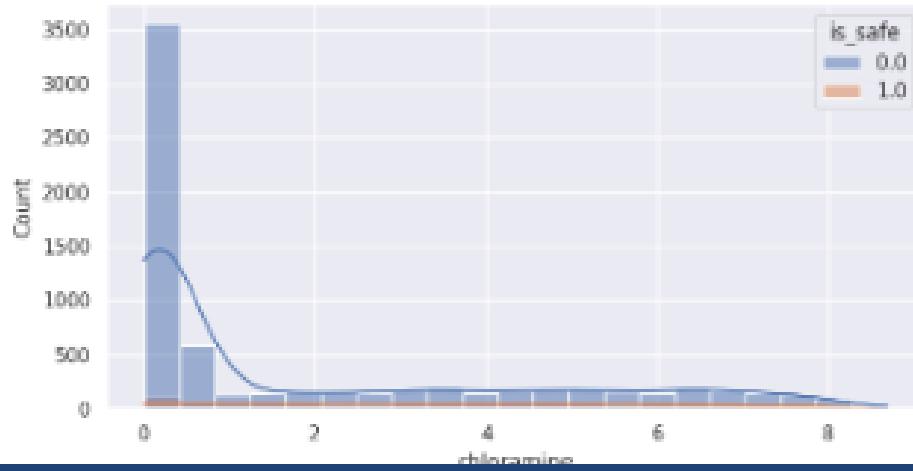
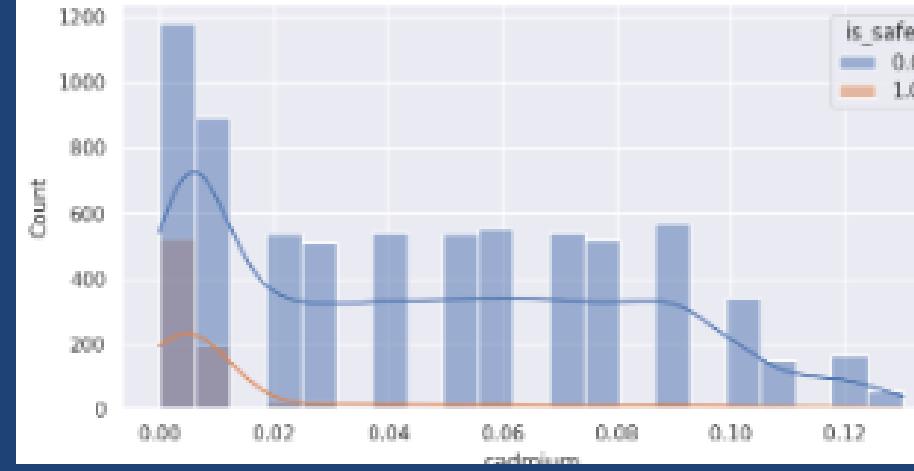
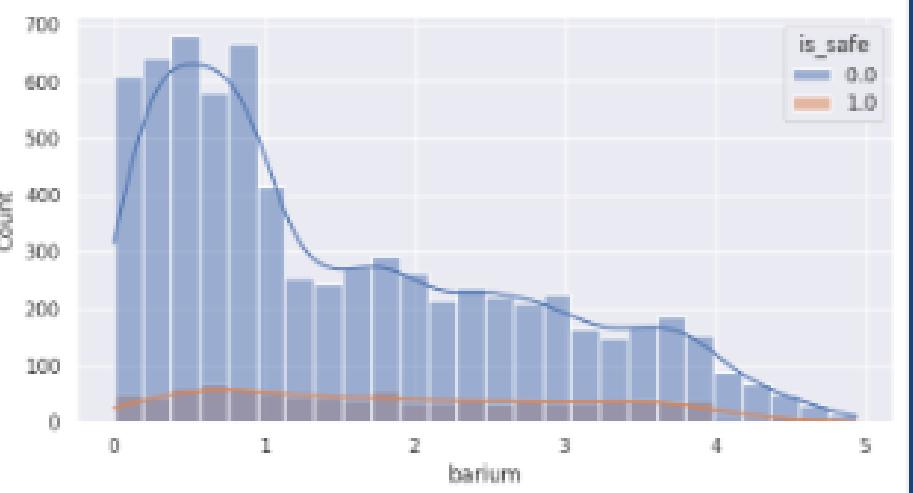
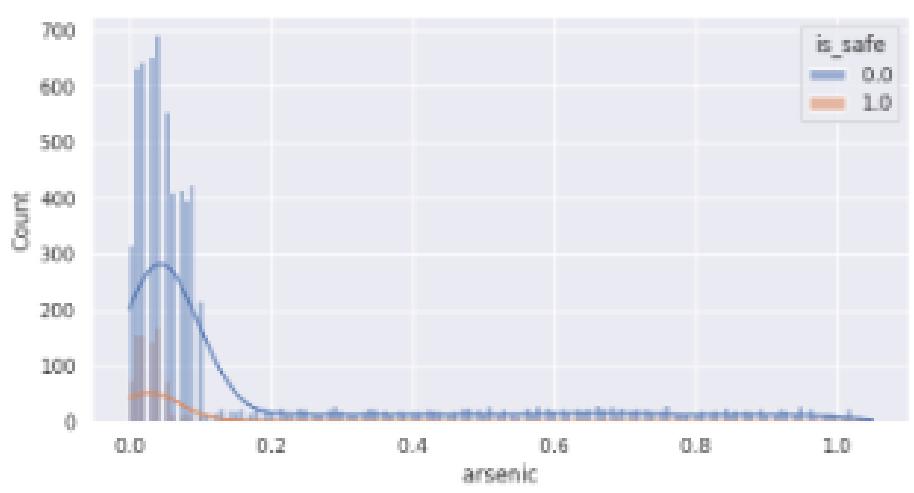
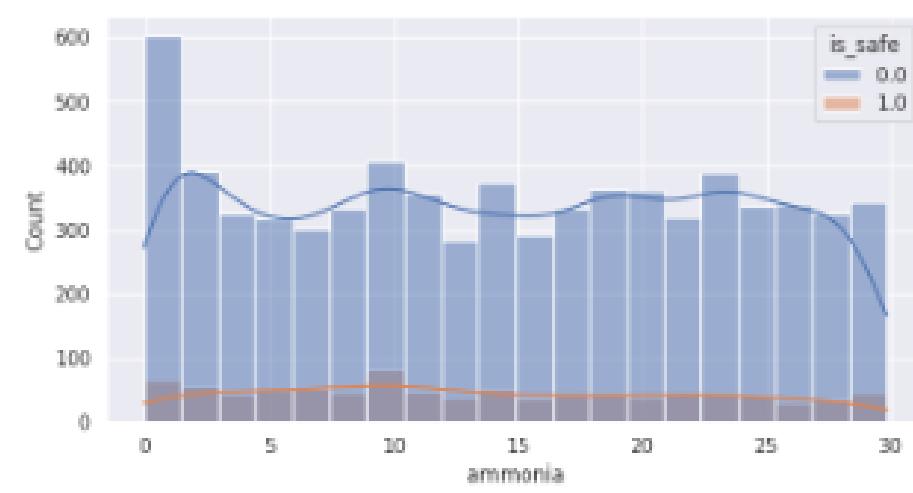
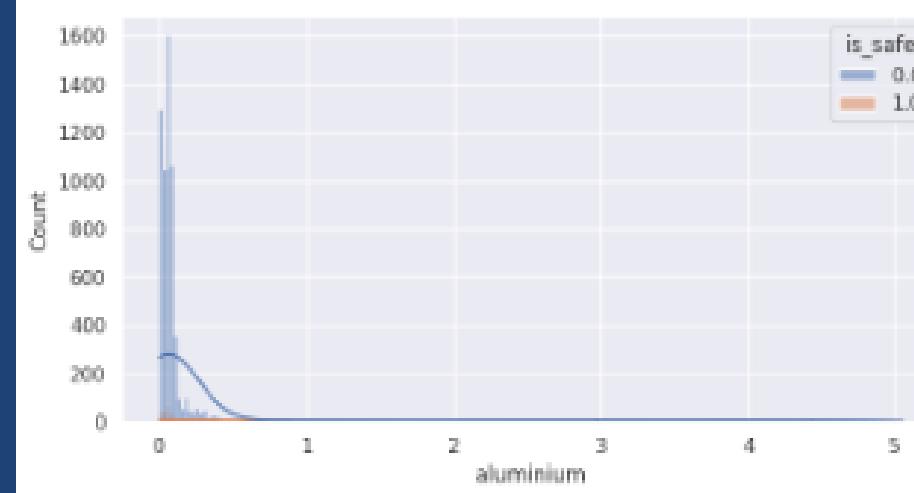
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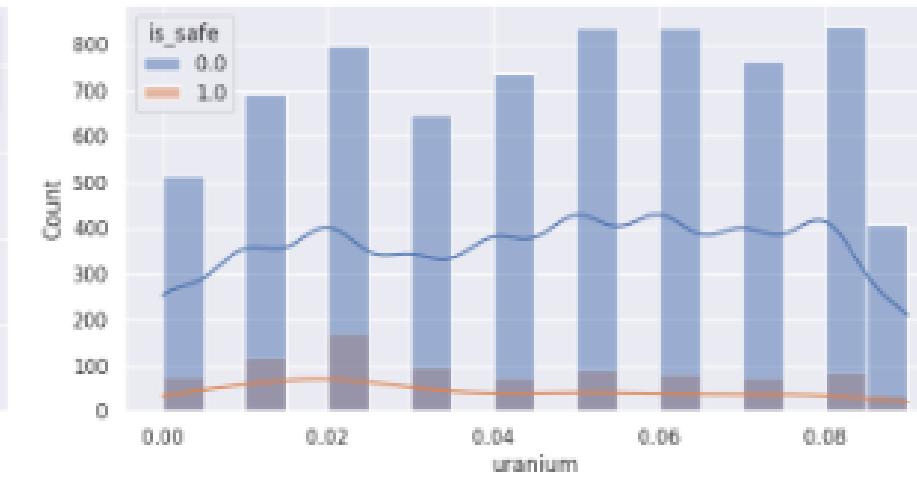
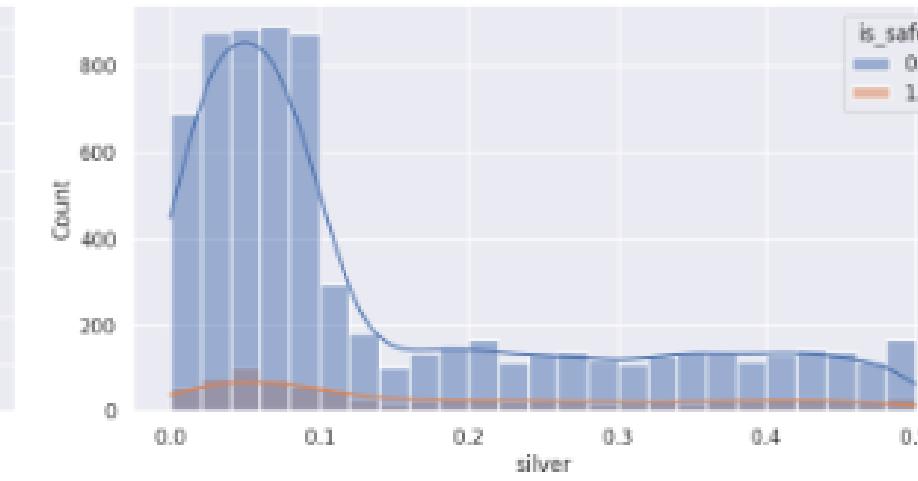
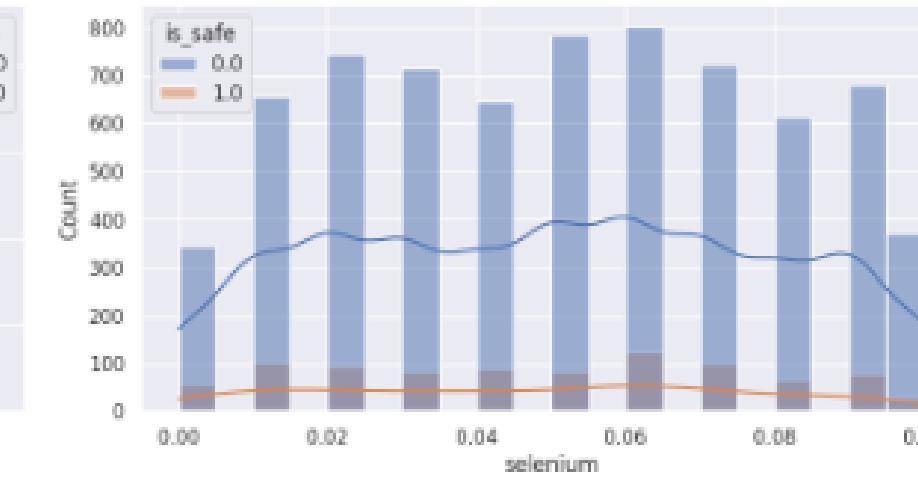
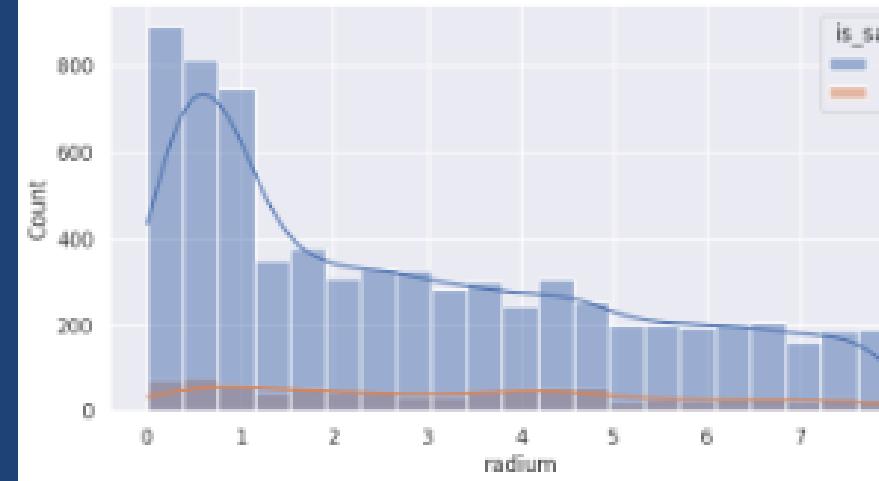
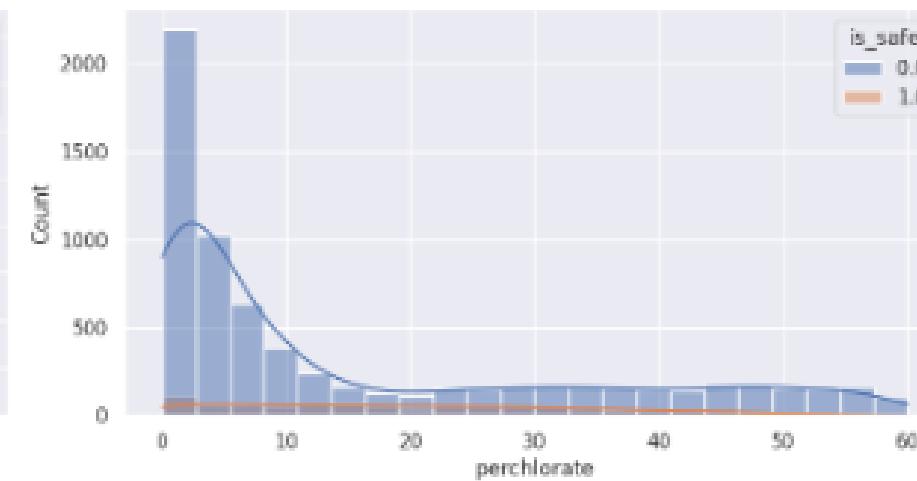
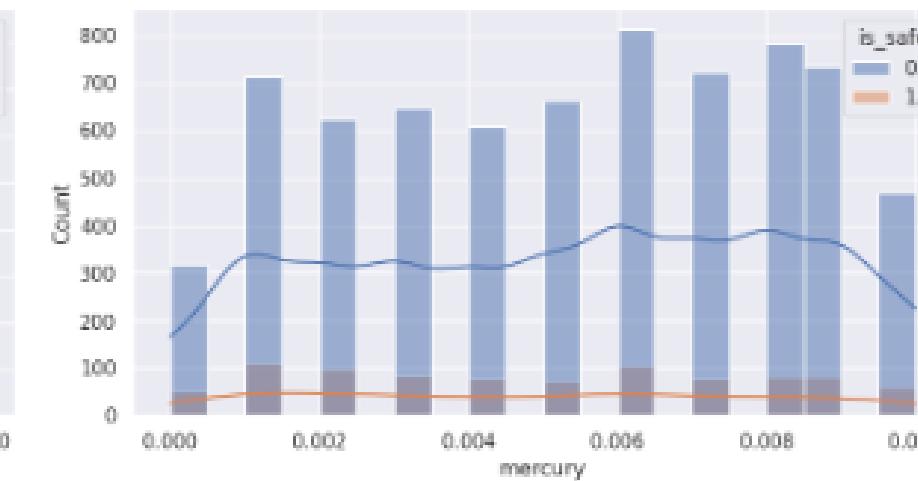
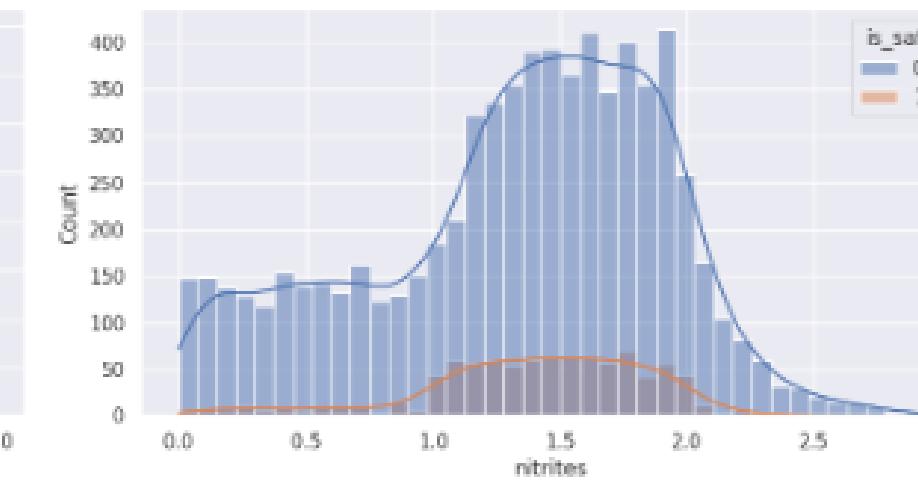
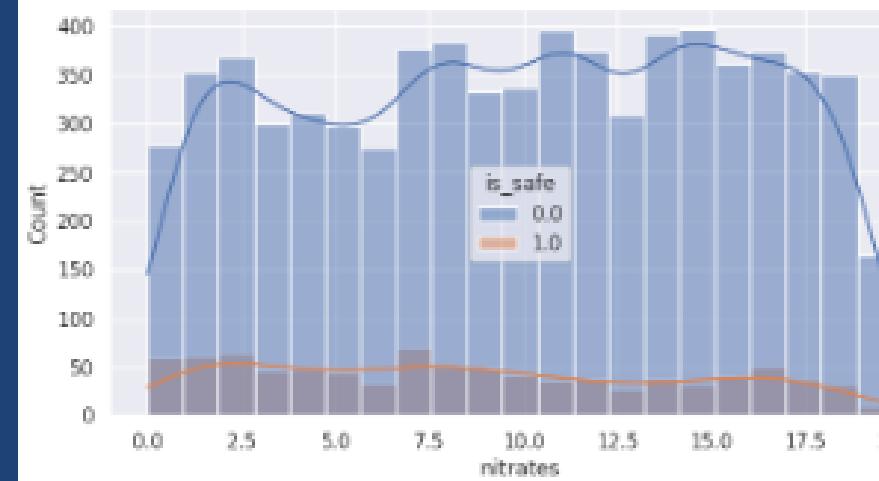
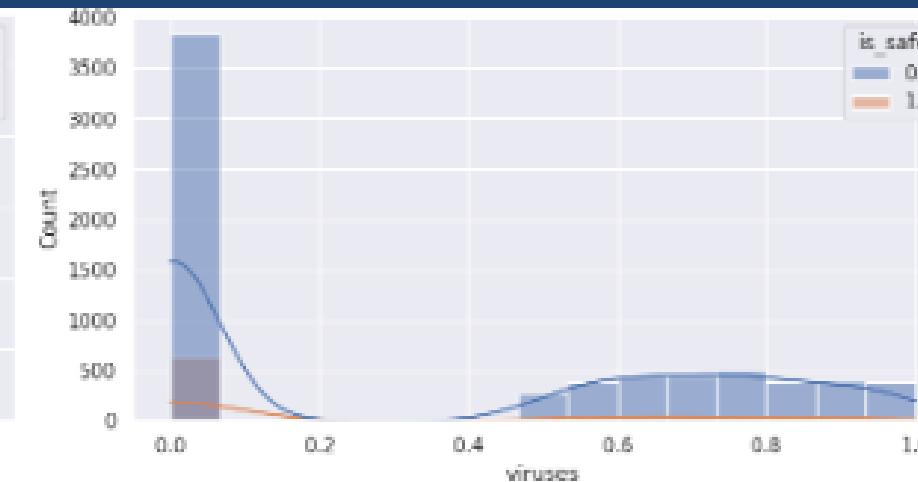
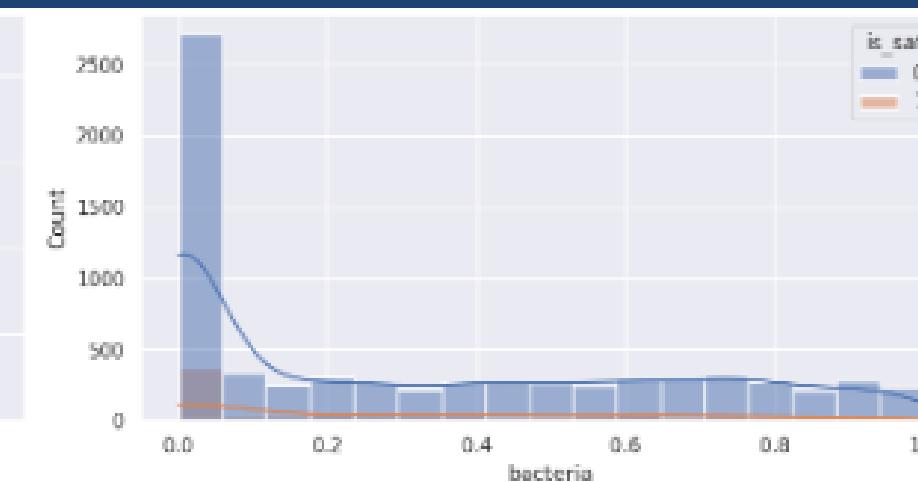
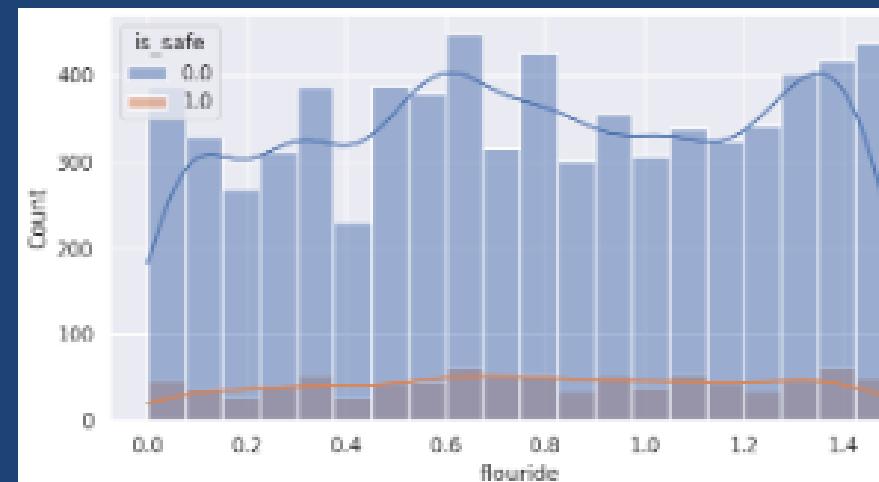


PLOT

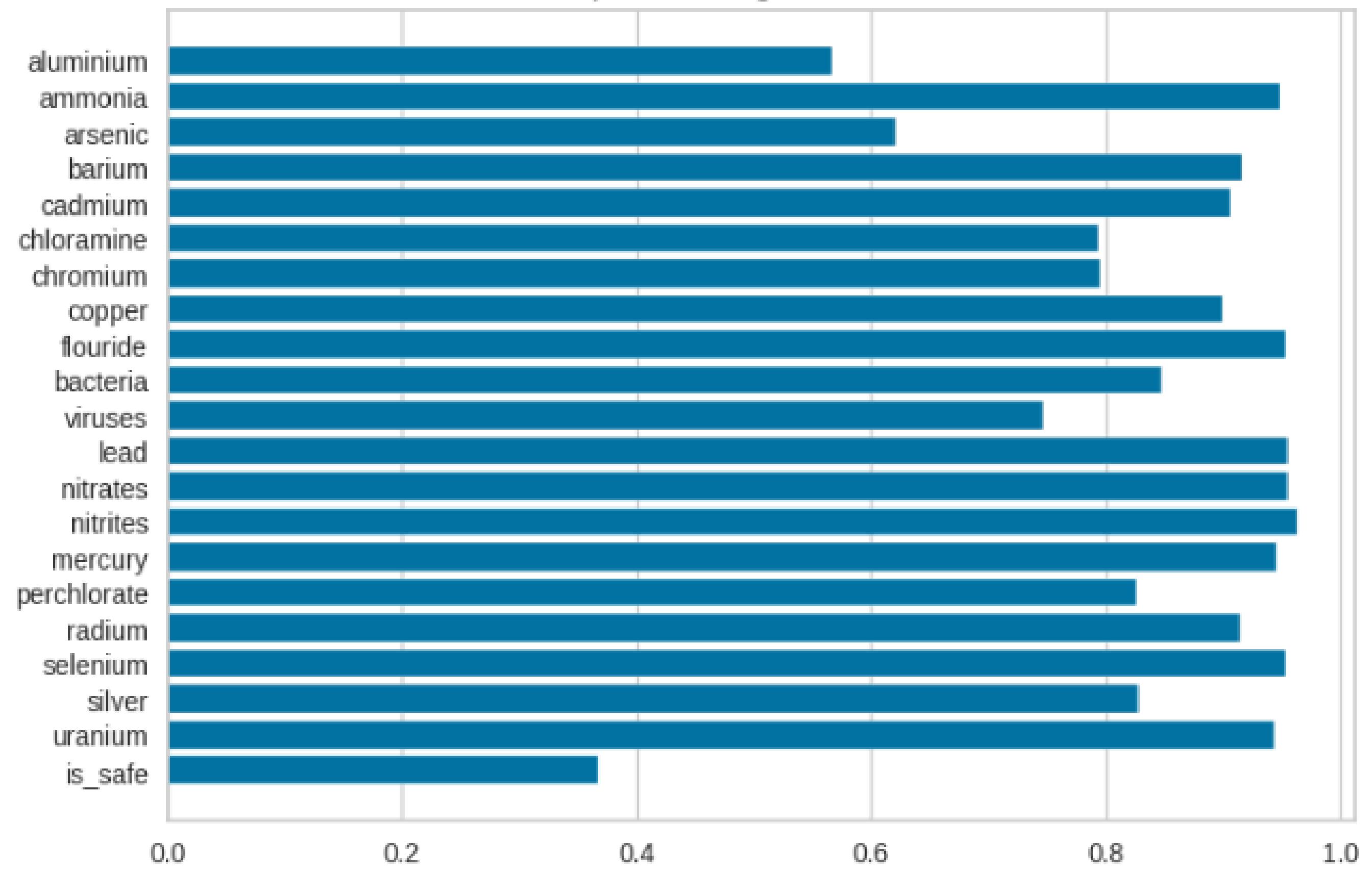








Shapiro Ranking of 21 Features



CONCLUSION

- VIRUSES AND BACTERIA HAVE THE HIGHEST CORRELATION WITH WATER QUALITY ($R = 0.62$)
- PERCHLORATE AND CHLORAMINE HAD THE SECOND BEST CORRELATION WITH WATER QUALITY ($R = 0.59$)
- RADIUM, NITRATES, AND ARSENIC ARE IN THE MIDDLE, WITH CORRELATION COEFFICIENTS RANGING FROM ($R = 0.36-0.38$)
- CADMIUM HAS THE LOWEST CORRELATION ($R = -0.26$)



RECOMMENDATIONS

**REGULAR TESTING
USE WATER FILTERS**

**PROPER WASTE DISPOSAL
PROTECT WATER SOURCES**

**CONSERVE WATER
STAY INFORMED**