

Supplementary material

S1 Descriptive statistics of response variables

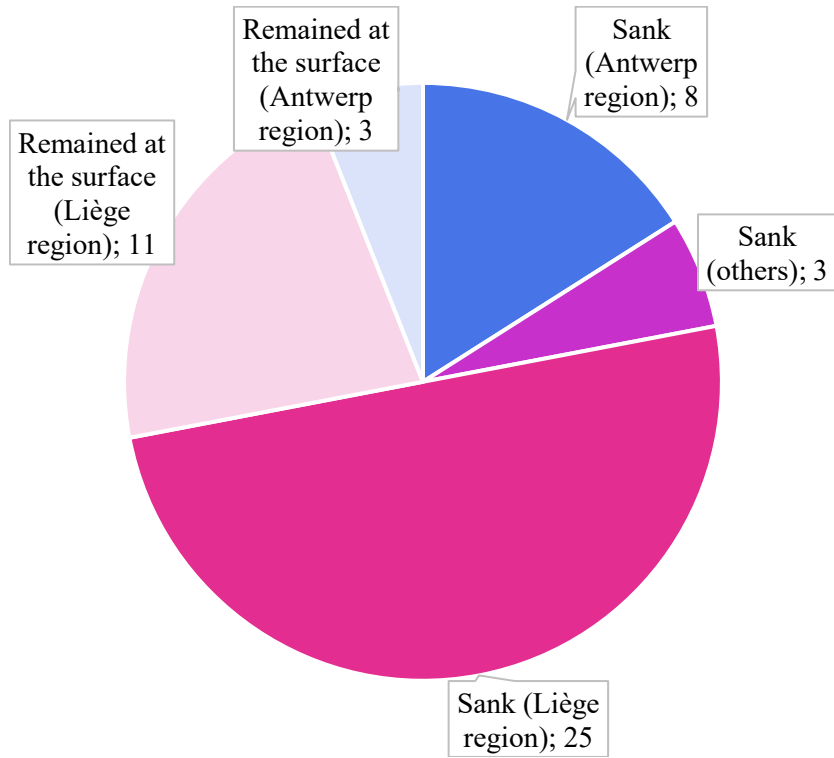


Figure S1: Proportion of cases where the body sank vs. remained at the surface.

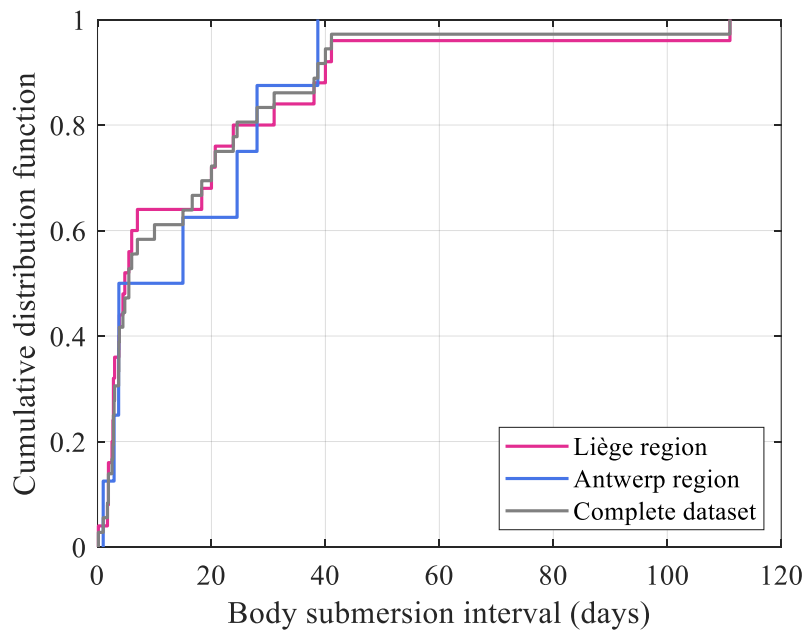


Figure S2: Cumulative distribution of body submersion interval (days) for cases involving sinking.

S2 Descriptive statistics of explanatory variables

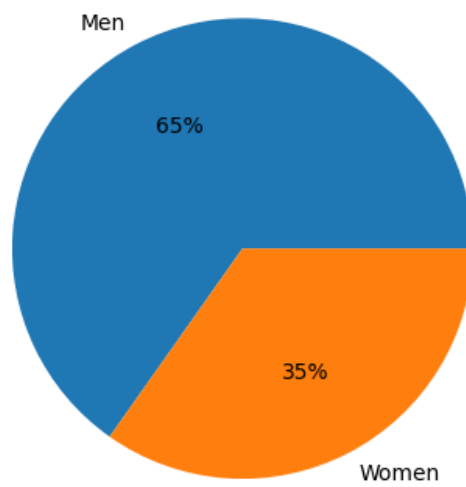


Figure S3: Distribution of victim's sex.

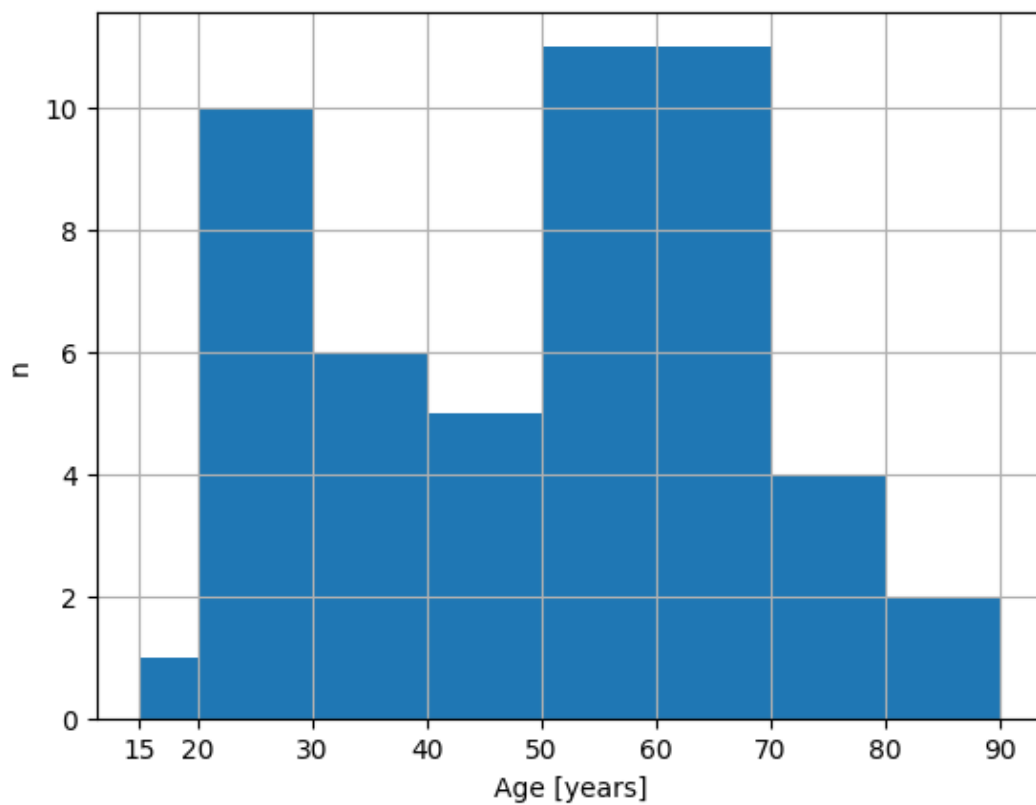


Figure S4: Distribution of victim's age.

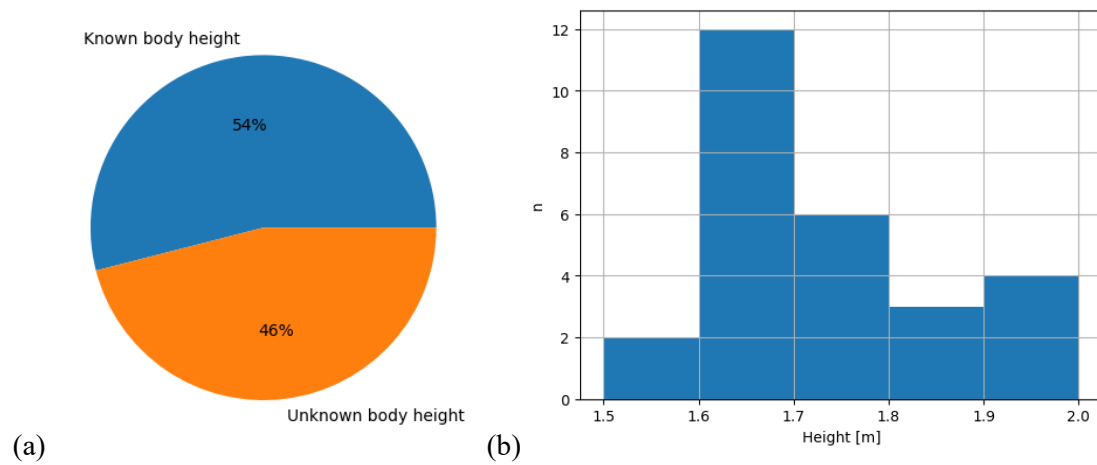


Figure S5: (a) Proportion of cases with known vs. unknown body height.
(b) Distribution of body height (for the cases where this information is available).

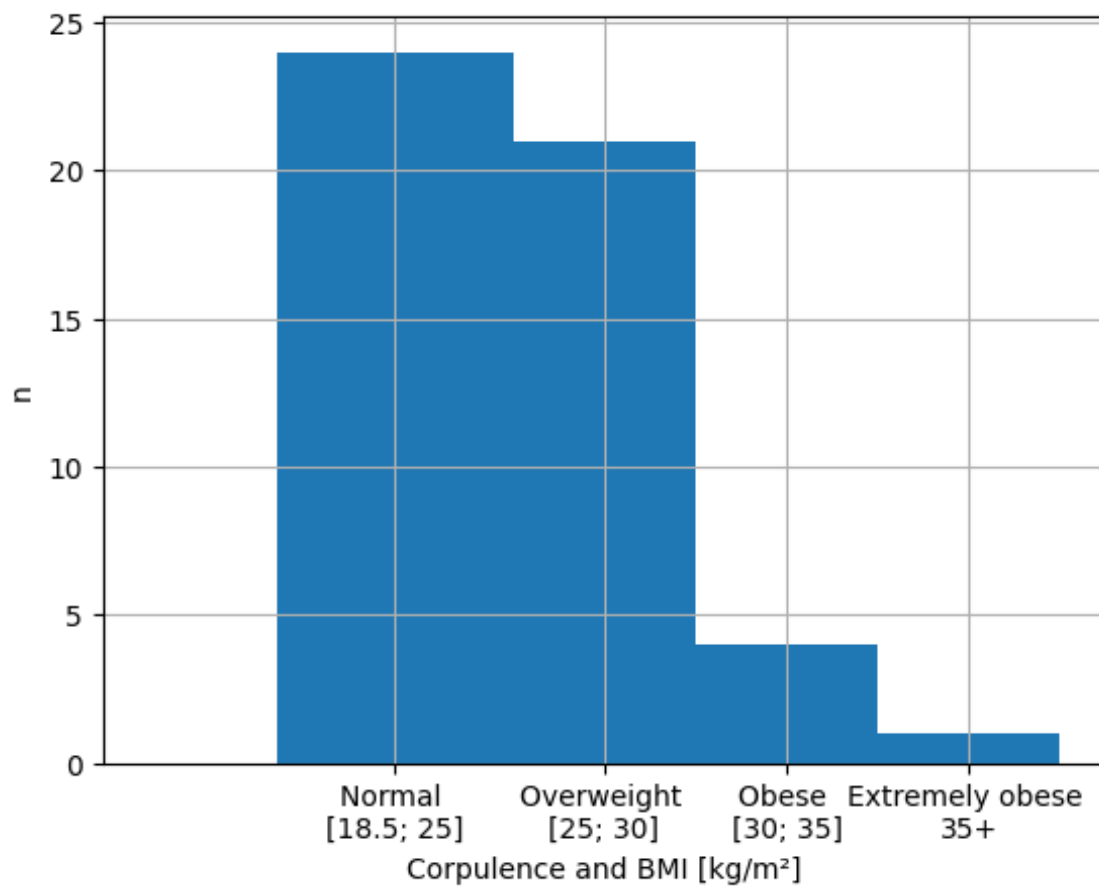


Figure S6: Distribution of body mass index (BMI).

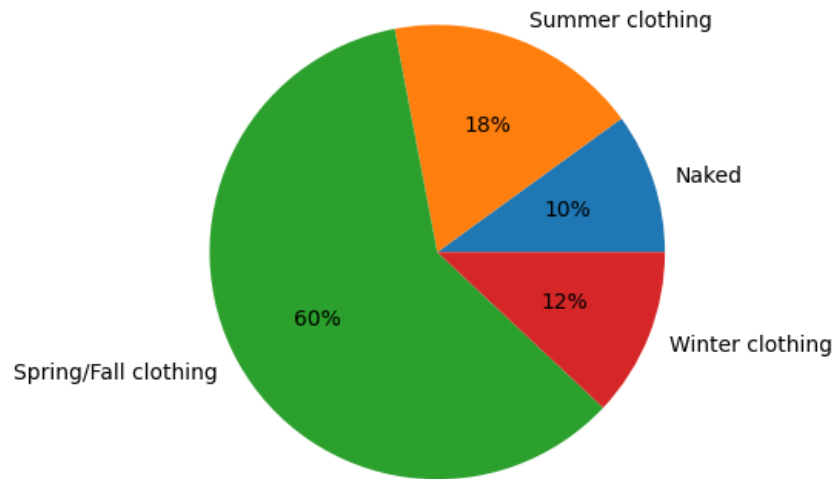


Figure S7: Distribution of clothing type.

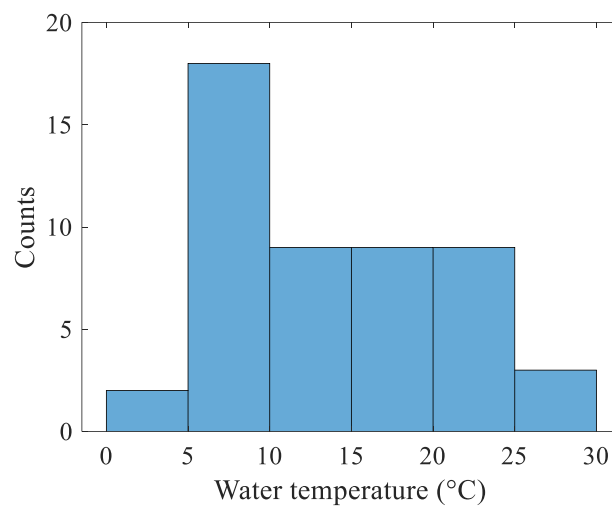


Figure S8: Distribution of water temperature (°C).

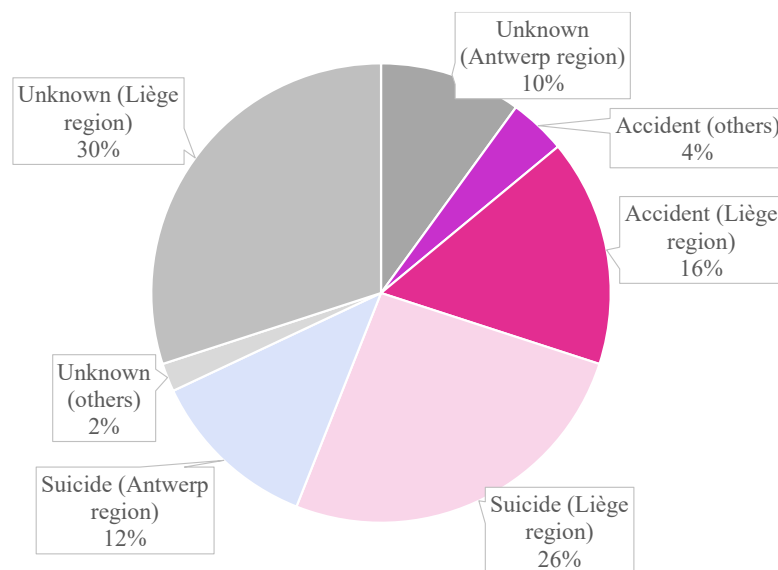


Figure S9: Distribution of drowning circumstances.

S3 Correlation matrix

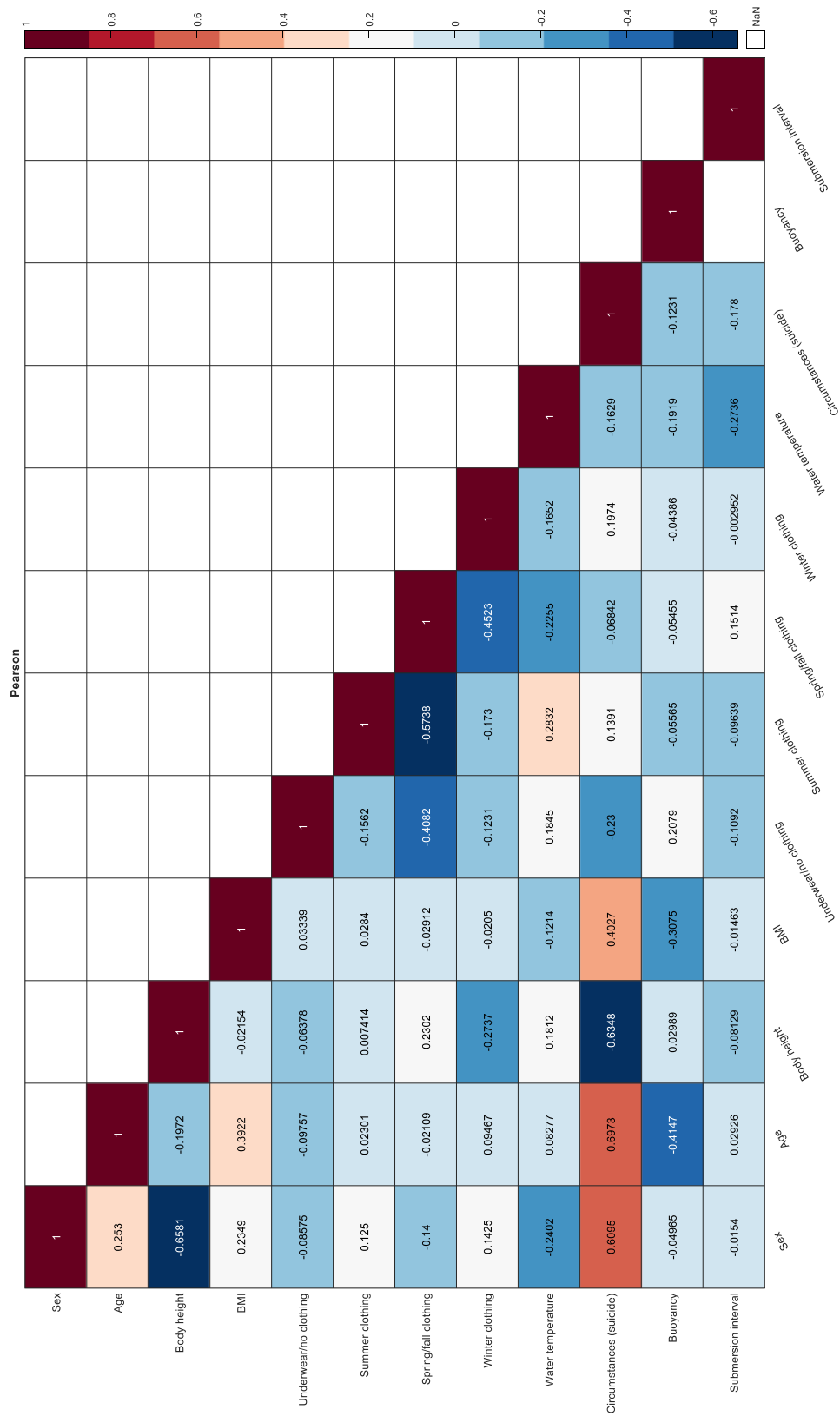


Figure S10: Correlation coefficients.

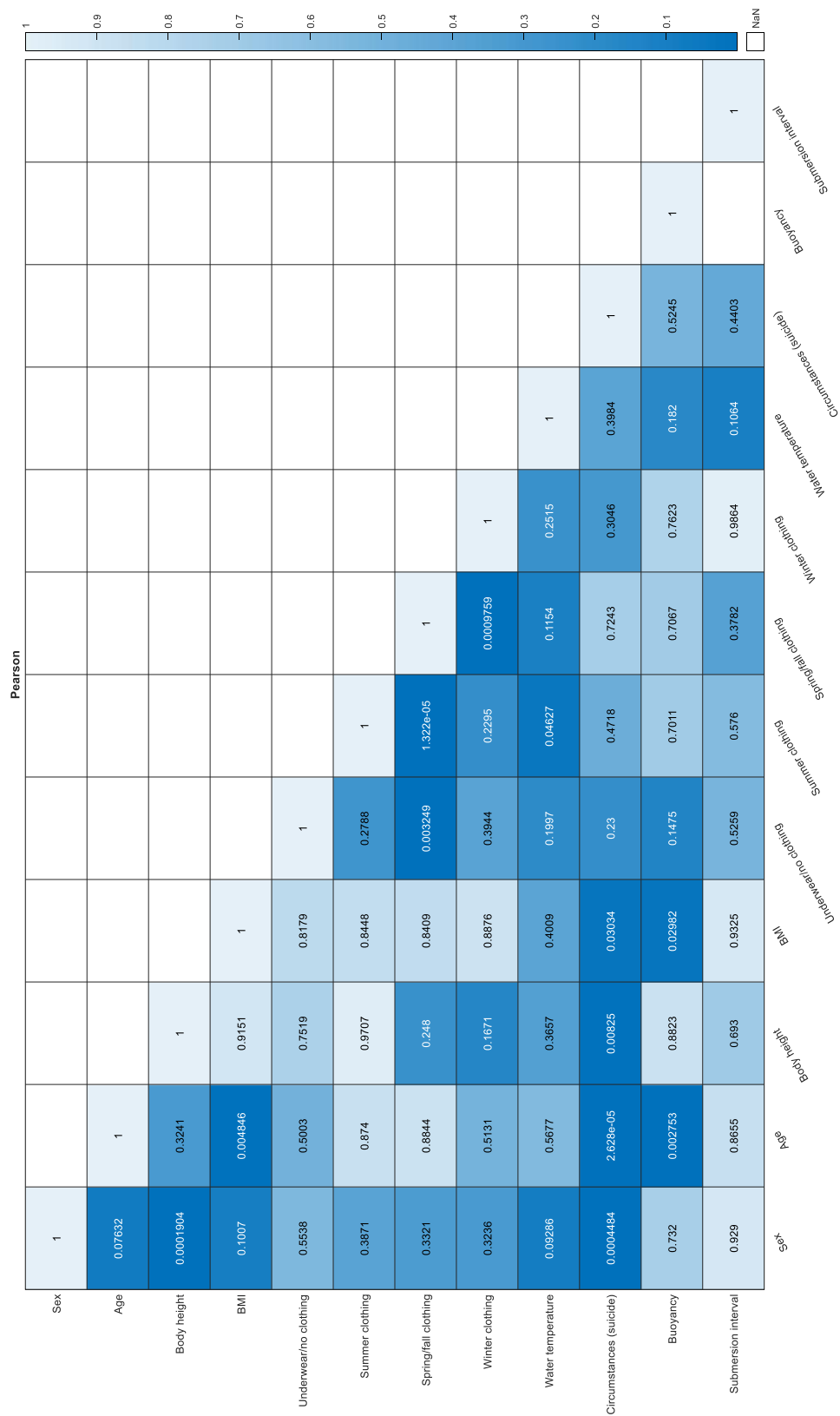


Figure S11: Significance of correlations (p -values).

S4 Contingency tables

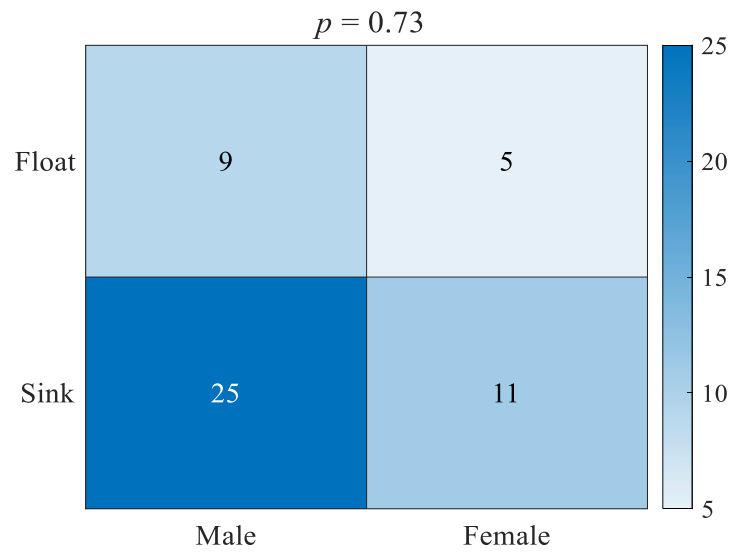


Figure S12: Contingency table to test the dependence of initial body buoyancy to the victim's sex.

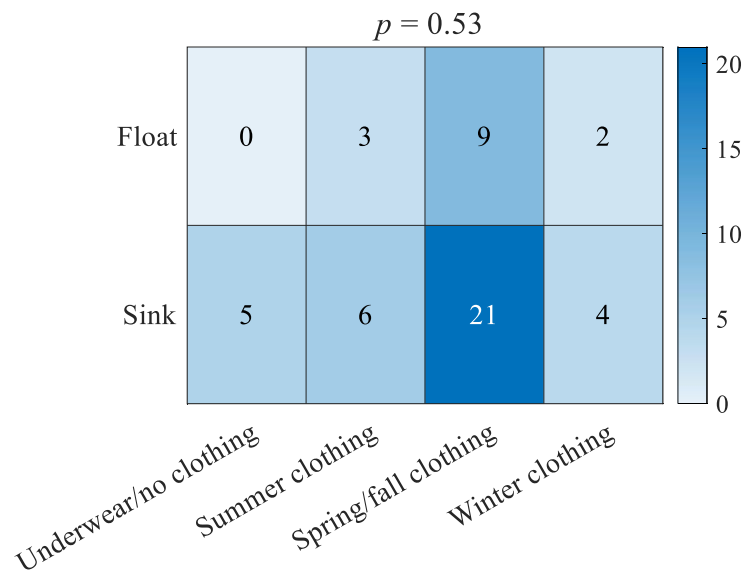


Figure S13: Contingency table to test the dependence of initial body buoyancy to the clothing type.

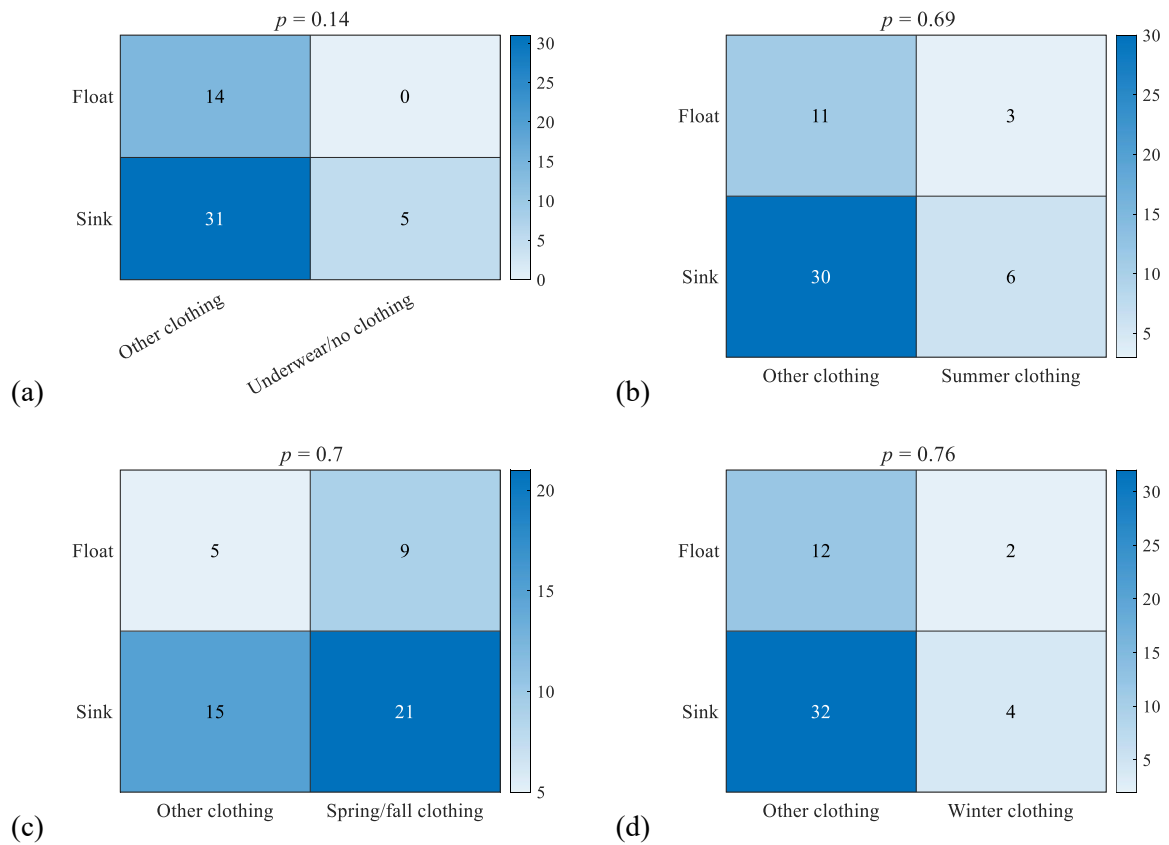


Figure S14: Contingency tables to test the dependence of initial body buoyancy to each individual clothing type (dichotomized categorical variable).

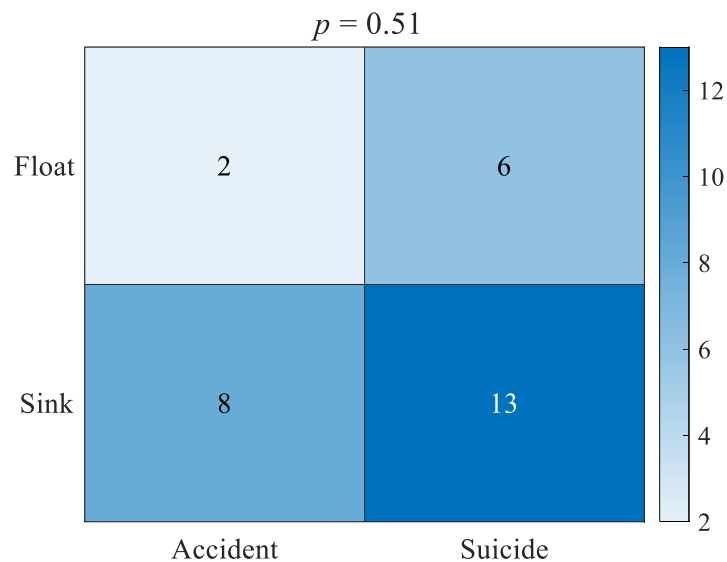


Figure S15: Contingency tables to test the dependence of initial body buoyancy to the drowning circumstances (accident vs. suicide).

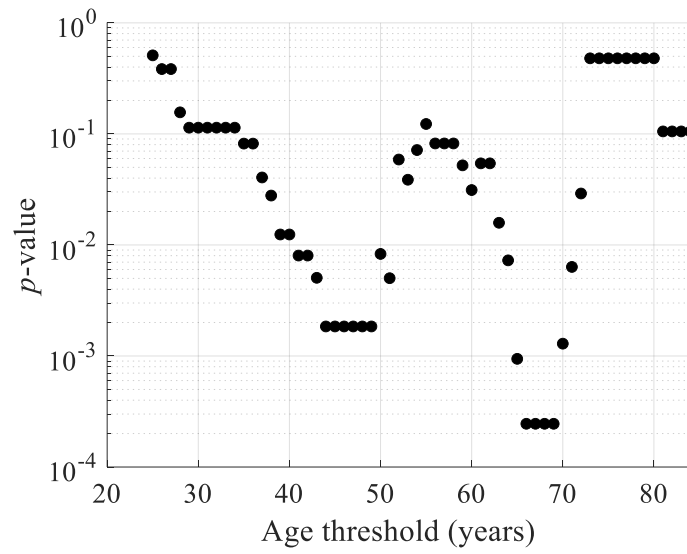


Figure S16: p -values characterizing the contingency tables representing the dependence of initial body buoyancy to the victim's age as a function of the age threshold used for dichotomizing the age.

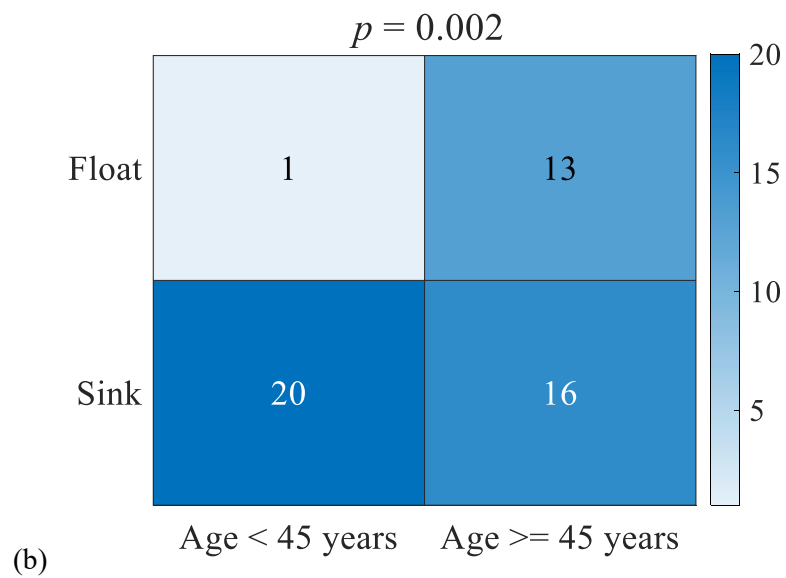
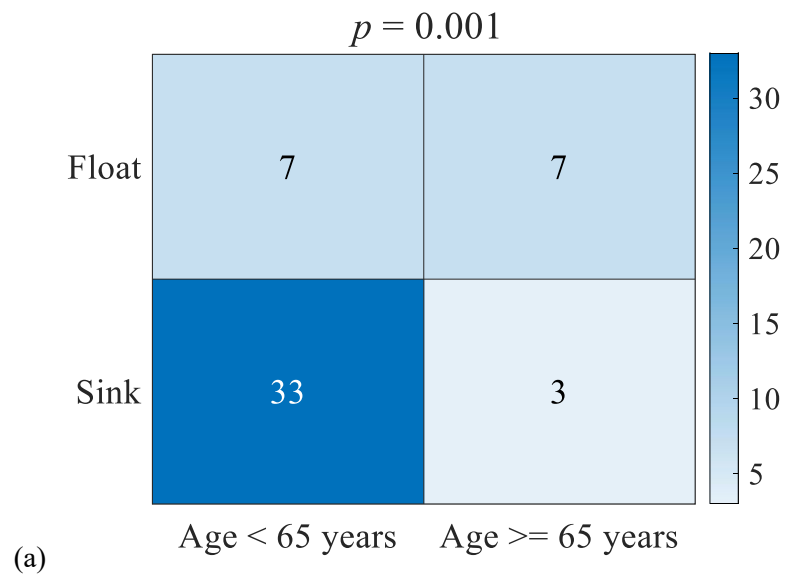


Figure S17: Contingency tables representing the relationship between initial body buoyancy and the victim's age. The age was dichotomized considering (a) 65 years and (b) 45 years as thresholds.

S5 Body submersion interval

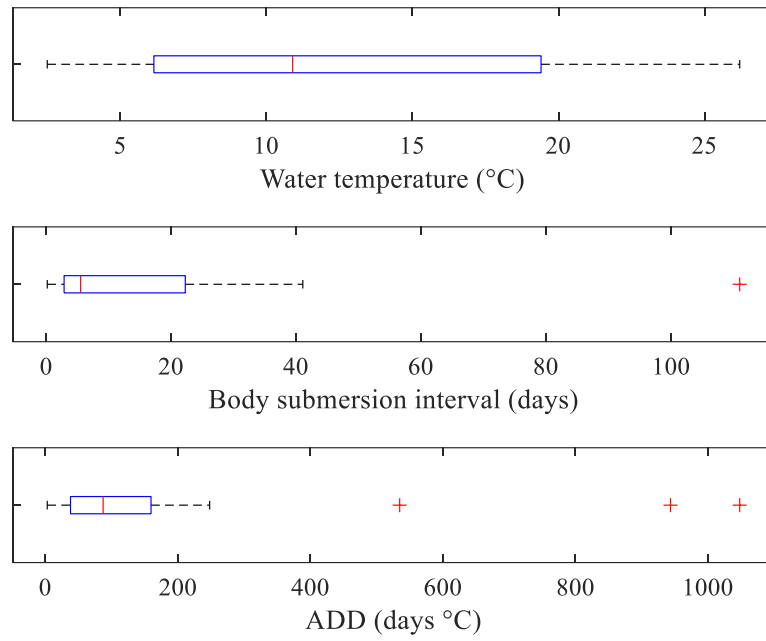


Figure S18: Distributions of water temperature, body submersion interval and accumulated degree days (ADD), with identification of outliers (+).