# Associations between Chlorophyll a and Microcystin-LR Health Advisory Concentrations

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#### 1 Introduction

#### 2 Methods

Source	Type	Concentration
WHO, OH, OR	Drinking	1 ug/l
MN	Drinking	$0.04~\mathrm{ug/l}$
U.S. EPA	Drinking	0.3  ug/l
U.S. EPA	Drinking	1.6 ug/l
WHO, IN	Recreational	2-4 ug/l
WHO, IN, KS	Recreational	10-20  ug/l
WHO, IN, IA, KS, NE, OH	Recreational	20-2000 ug/l
WHO	Recreational	>2000 ug/l
CA	Recreational	0.8 ug/l
IL, OR	Recreational	$10~\mathrm{ug/l}$
MA, RI	Recreational	14  ug/l
OH, VT, VA, WA	Recreational	6 ug/l

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Based on the range of microcystin concentrations used in various policy settings, we evaulated associated chlorohpyll a concentrations for an effect at 0.04, 0.3, 0.8, 1, 1.6, 4, 6, 10, 14, and 20 ug/l.

### 2.1 Data and Study Area

## 3 Results

# 4 Discussion

## 5 Figures

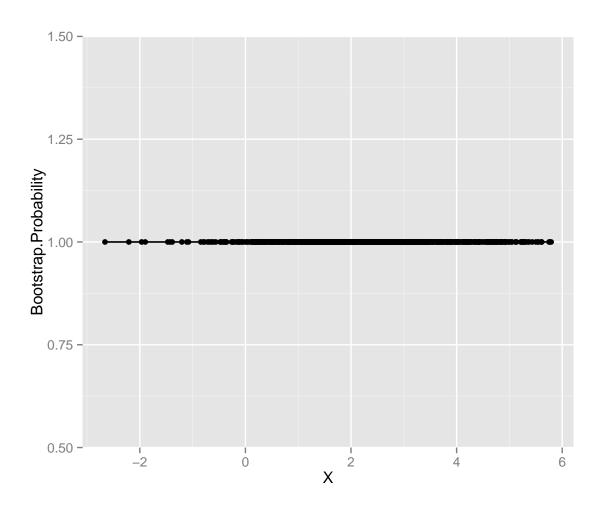


Figure 1

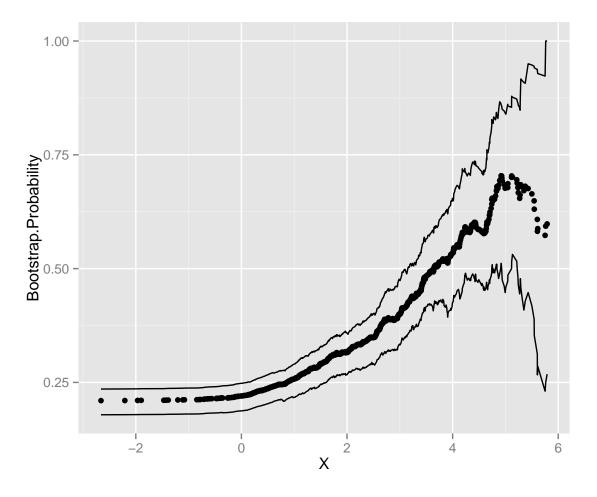


Figure 2

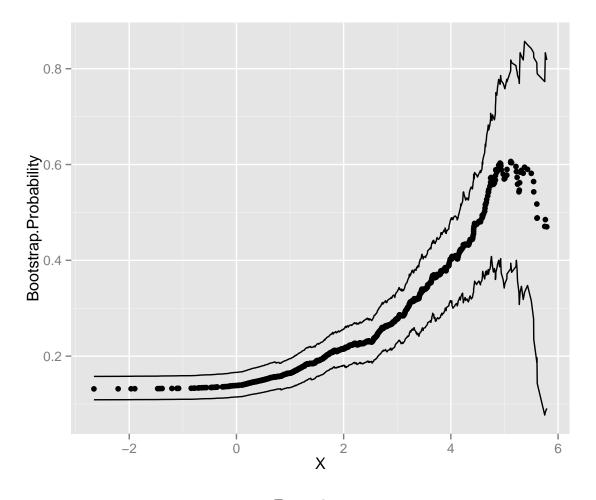


Figure 3

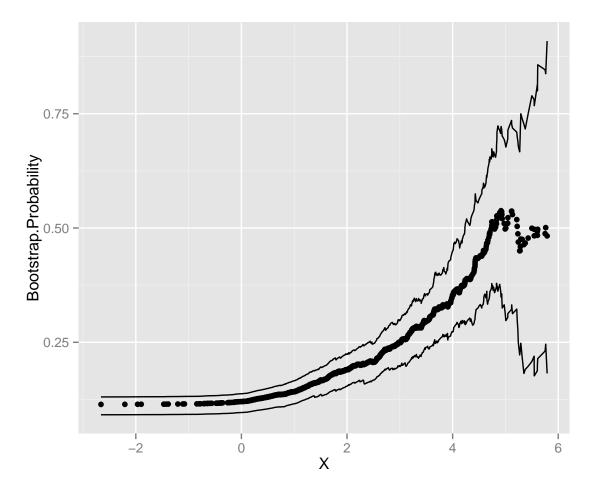


Figure 4

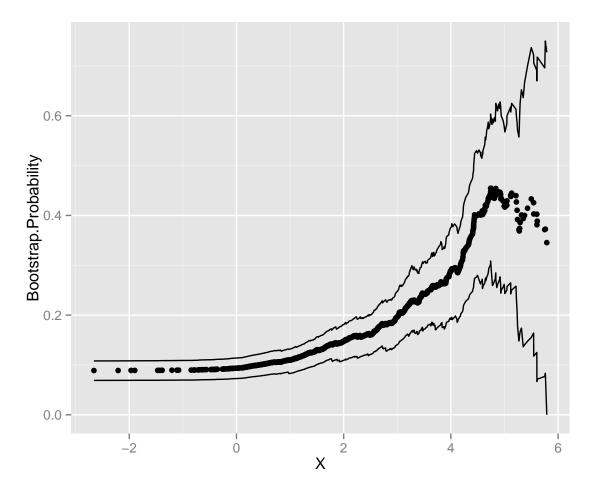


Figure 5

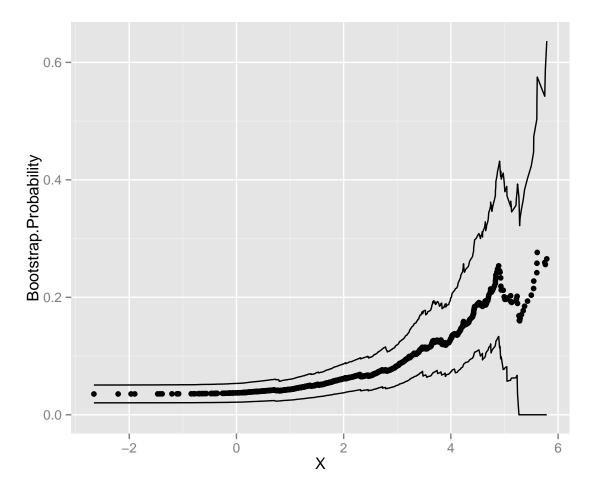


Figure 6

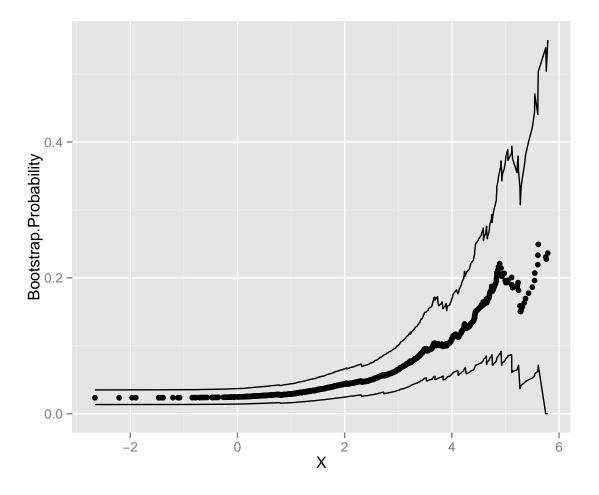


Figure 7

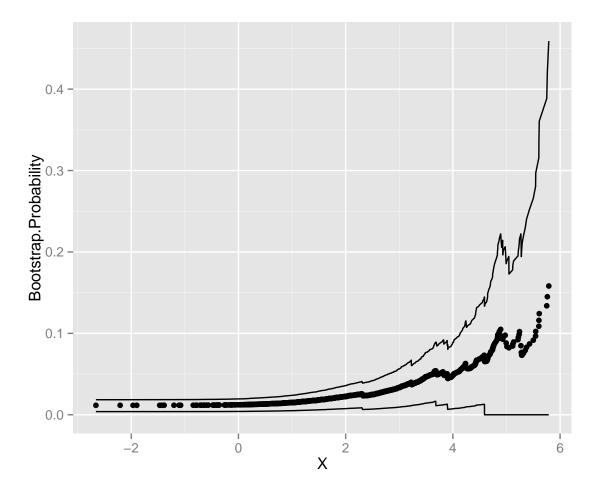


Figure 8

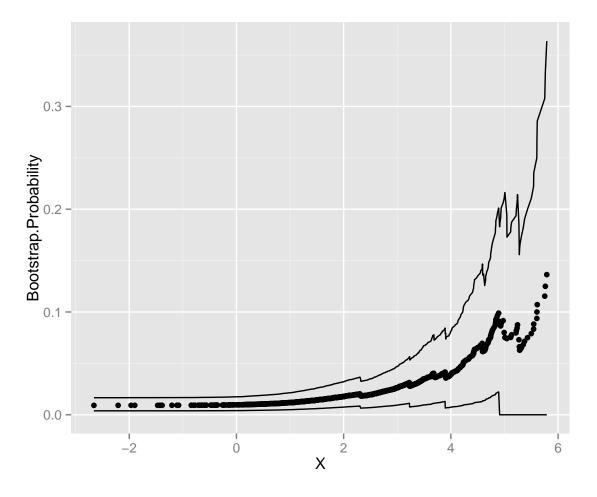


Figure 9

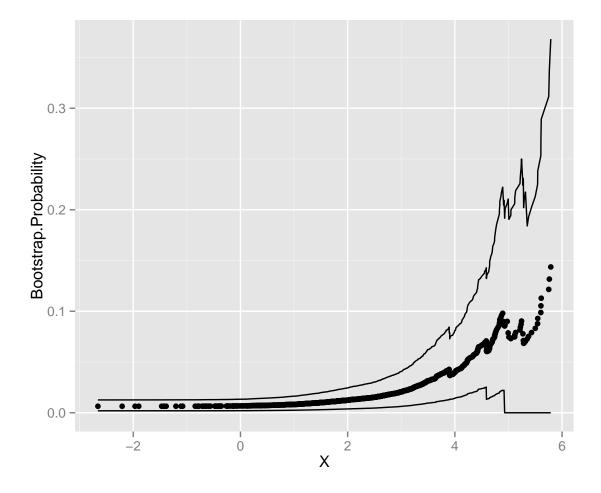


Figure 10

# References