~2016 Wisconsin Water Warrior Results~

Melodee Nugent

There were 35 participants in the Wisconsin Water Warriors event this year. The 2-week swim challenge (14 consecutive days) took place between November 1st and December 31st of 2016. The goal was to challenge yourself and swim as much as you can for the 2-week period. We had 6 new USMS participants to join in on the fun this year: **Ann Jackson, Darcy Kelly, Kimberly Von During, Mary Jo Driscoll, Nora Bergeon Capps and Tim Capps.**

Combined, the participants swam a total distance of 1,429,386 yards (812 miles) in 2-weeks, with an average of 40,840 total yards (23.2 miles). We again had more women (66%) participate than men (34%). The average age of the swimmers was 55 years of age. The youngest swimmer was 37 years old and the oldest was 85 years old. Once again, we had our two swimmers from the 80+ age group, Fred Salzmann swam 34,091 yards and Lois Goddard swam 18,000 yards. You both are amazing!

The largest age groups were the 50-54 and 55-59 year old swimmers with a total of 8 swimmers in each group. James Biles was the top male swimmer with 75,042 yards and I was the top female swimmer with 153,200 yards.

The results in yards by age group are as follows: **Men**: **40-44**: 1st Stu Schaefer (13,775); **45-49**: 1st Dan DeWeerdt (58,425), 2nd Tim Capps (34,050); **50-54:** 1st Carl Whitney (33,000), 2nd Jeff Schmiedel (4300); **55-59**: 1st James Biles (75,042), 2nd David Drury (49,500); **60-65**: 1st Steve Justinger (37,400), 2nd Tim Potter (30,150); **70-74**: 1st James Arnold (30,030); **75-79**: 1st Donald Jackson (31,000); **80-84**: 1st Fred Salzmann (34,091).

Women: 35-39: 1st Kimberly Von During (67,768); **45-49**: 1st Melodee Nugent (153,200), 2nd Debbie Katzman (50,500), 3rd Katy Sommer (29,400); **50-54:** 1st Kelly Wynns (69,550), 2nd Margaret Keller (44,400), 3rd Mary Jo Driscoll (34,783), 4th Nora Bergeon Capps (34,250), 5th Renee Scherck-Meyer (30,650) 6th Jennifer Gruenewald (24,500); **55-59**: 1st Katy Mering (76,800), 2nd Ann Berres-Olivotti (70,600), 3rd Chery Drury (33,475), 4th Julie Van Cleave (31,275), 5th Darcy Kelly (24,601), 6th Ann Jackson (21,594); **60-64**; 1st Melinda Mann (43,050), 2nd Heidi Fischer (39,550), 3rd Mary Schneider (26,250); **65-69**; 1st Candy Christenson (21,750) **70-74**: 1st Jeanne Seidler (30,626), 2nd Nancy Kranpitz (22,450); **85-89**; 1st Lois Goddard (18,000).

Awards have yet to be determined, but will be awarded at the Wisconsin State Meet that will be held at Schroeder on March 25-26, 2017.

Statistics Course 101

Figure 1. I was trying to come up with new ways to look at this growing database that now has 246 entries over 7 years (swimmers can have up to 7 entries if they participated in each year since 2010). I was thinking that maybe swimmers who have participated the most since 2010 swam more than those that did not. I decided to break up the seven years: 1 Swim only, 2-4 Swims and 5+ Swims. Figure 1 is a box plot of this data with the most recent year of miles swam by the number of swims. The colored bar represents 50% of the population and the line in the box shows the median. The median is the value that divides the upper half from the lower half. For example: 1,2,3,4,5 - the median is 3 because 1,2 are the lower half and 4,5 are the upper half. The lines extending out from the bars include 95% of the population. The o and * are the outliers, those that fall out of this range.

Surprisingly, there is no statistical difference. This means that if you tested this 100 times, 95% of the time there would not be a difference (the remaining 5% of the time would mean they were statically significant).
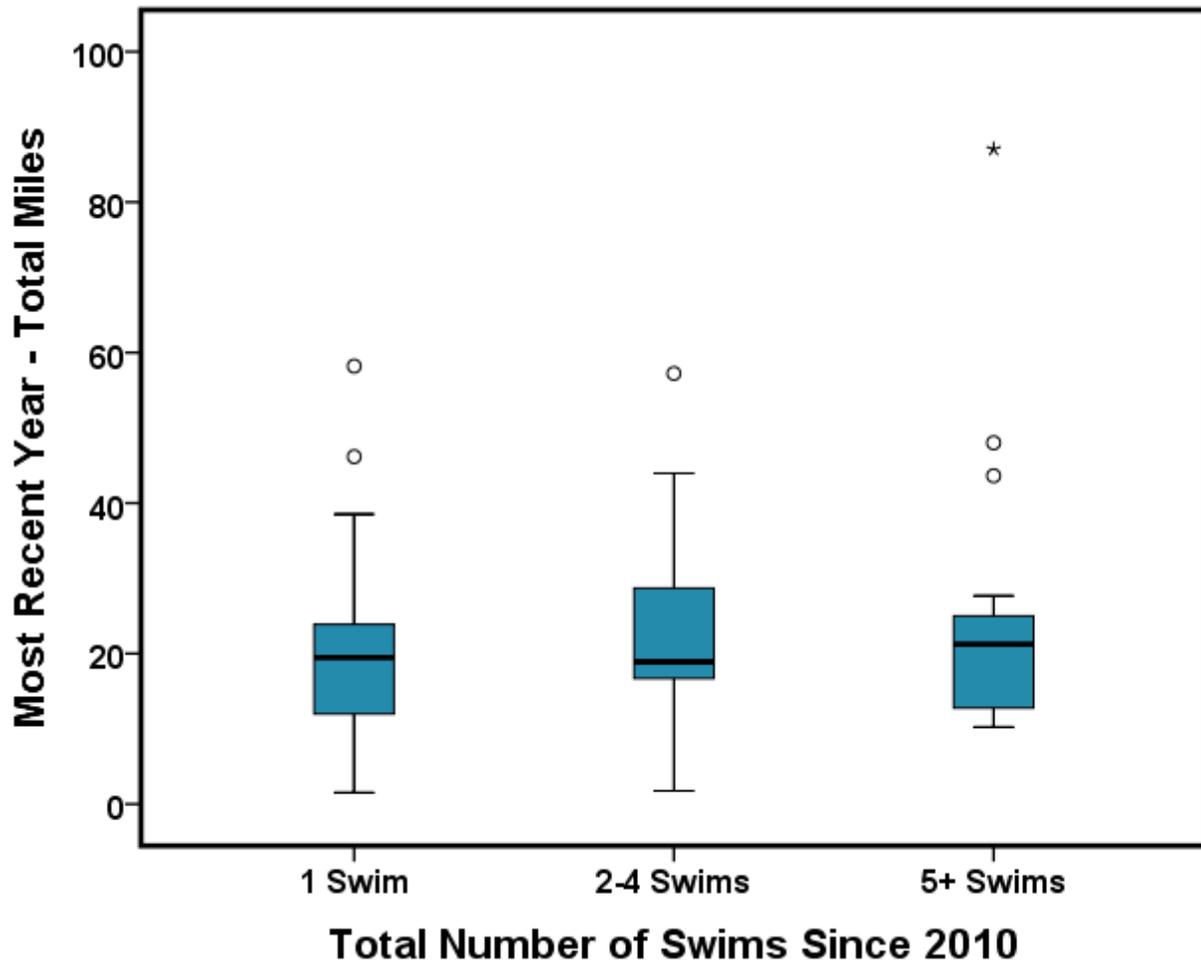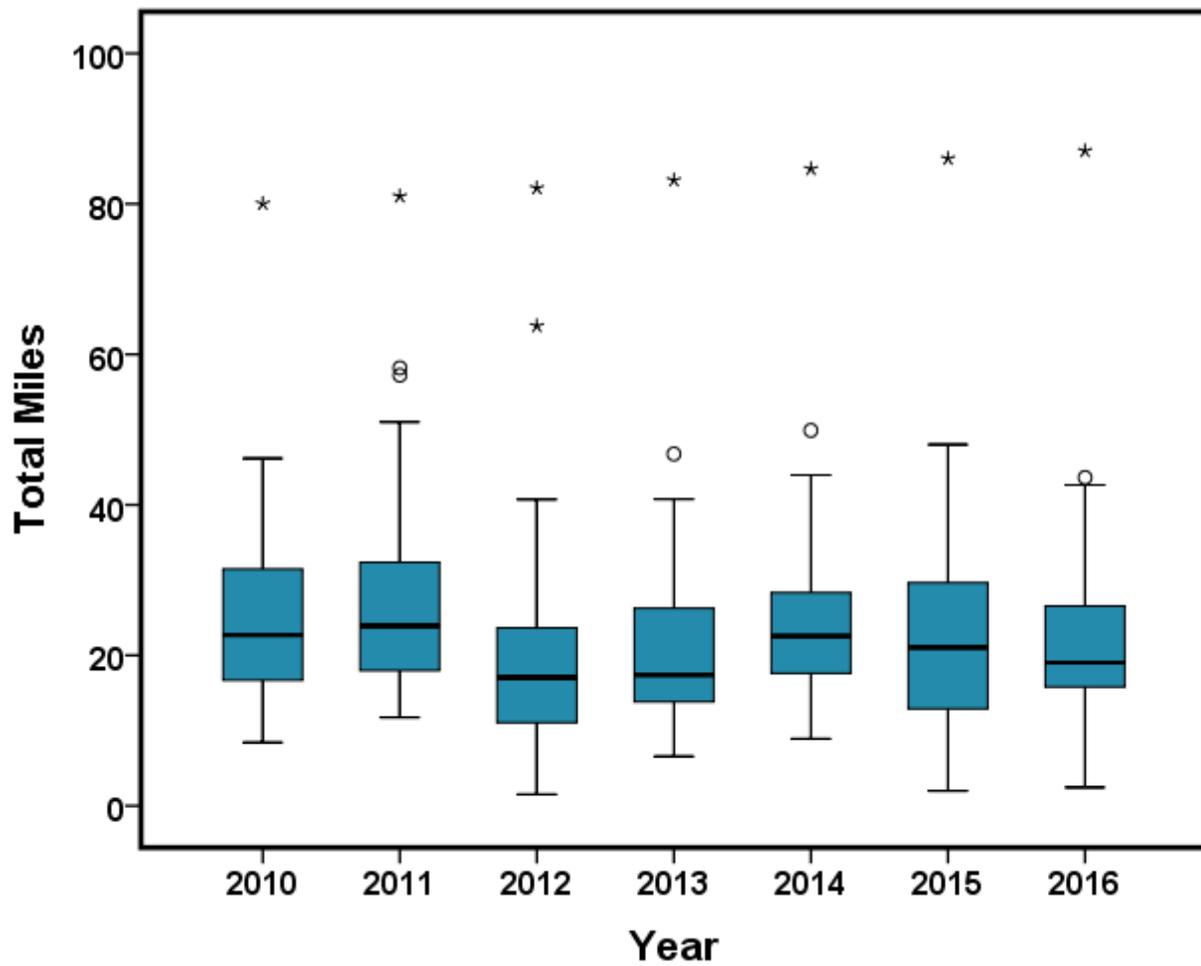
Figure 1

Figure 2. Another figure below shows the distribution of miles swam over the years. This is displayed similar to Figure 1. Even though there looks like there may be differences, they were not statically different (though <u>very</u> close).

Figure 2

Finally, another thought was to look at age, using the years 2016 only. My thinking was that maybe the older swimmers swim more, since they have more time. There were 15 swimmers < 55 years of age with a median of 19.5 miles (range 2-87) and for 55+ years of age there were 20 swimmers with a median of 17.7 miles (range 10-44) miles. There was again no statistical difference. Guess that blows that theory!