

~2013 Wisconsin Water Warrior Results~

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We had another great year for participation in the Wisconsin Water Warrior swim this year. The 2-week swim challenge (14 consecutive days) took place between November 1st and December 31st of 2013. The goal was to challenge yourself and swim as much as you can for the 2-week period.

We had 39 swimmers participate with a total of total of 1,536,967 yards...that is 873 miles in 2 weeks! There were more women (62%) this year. The average age was 52 years of age (the youngest was 23 years old and the oldest was 81 years old). Again, our oldest swimmers were 81 years old: Fred Salzman swam 27,400 yards and Lois Goddard swam 18,000 yards. Very impressive!

I was happy to see that there were 15 new swimmers to the event this year. The largest age group was the 45-49 year old swimmers with a total of 12 (8 women and 4 men). Dave Clark from Whitefish Bay was the top male swimmer with 82,300 yards and I was the top female swimmer with 146,350 yards. During my two-week swim I had a fortune cookie that said, "Work on improving your exercise routine". I have that taped to my computer screen and chuckle every time I see it!

The results are as follows: **Men: 25-29:** 1st Carl Kaiser (64,650y); **35-39:** 1st Brian Ruark (21,250y); **45-49:** 1st Don Minkey (61,000y), 2nd Jeff Schmiedel (30,600y), 3rd Clay Sabourin (28,400y), 4th Mark Meyer (11,555y); **50-54:** 1st David Drury (65,800y); **55-59:** 1st Dave Clark (82,300y), 2nd Robert Gebert (26,000y), 3rd Gus Robledo (25,700y); **60-65:** 1st Bob Lapacek (57,300y), 2nd Steve Justinger (32,300y), 3rd Albert Schmidt (23,400y); **65-69:** 1st Greg Hollub (47,450y); **80-84:** 1st Fred Salzman (27,400y)

Women: 20-24: 1st Molly Woodford (34,000y); **35-39:** 1st Stacey Kiefer (24,850y); **40-44:** 1st Shelly Deyo (53,100y); 2nd Amy Johnson (37,972y), 3rd Melissa Vandenhouten (33,500y), 4th Katy Sommer (25,900y); **45-49:** 1st Melodee Nugent (146,350y); 2nd Kelly Wynns (44,850y), 3rd Margaret Keller (44,700y), 4th Elyce Dilworth (38,300y), 5th Debbie Katzman (27,600y), 6th Karen Frittitta (26,560y), 7th Kim Gebauer (23,850y), 8th Renee Scherck-Meyer (12,740y); **50-54:** 1st Donna Anderson (36,000y), 2nd Cheryl Drury (23,650y); **55-59:** 1st Katy Mering (71,750y) 2nd Ann Berres-Olivotti (65,200y), 3rd Melina Mann (45,000y), 4th Sue Gartner (22,362y); **60-64:** Mary Schneider (23,350y); **65-69:** 1st Jeanne Seidler (29,628y), 2nd Nancy Kranpitz (22,650y); **80-84:** Lois Goddard (18,000y)

Awards have yet to be determined, but will be awarded at the Wisconsin State Meet that will be held at Schroeder on March 29-30.

Statistics 101: Now I thought I would give another statistical lesson for the Wisconsin Masters swimmers. My background is working in medical research as a statistician and it is fun to play with the data (especially data that interests me). Now that I have been doing this event since 2010, I have 4 years of data to analyze. Anytime you have a small population, there is little you can do with the data. But now I have 134 entries for this event over 4 years, we can look at some interesting outcomes. As the saying goes, a picture is worth a thousand words. Let's check it out.

When comparing any population, a researcher usually looks at gender. For our event, do men swim more than the women? Is there a statistical difference between the two? **Figure 1** is a box plot of total miles swam in 2-weeks by gender. 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 median for the males is 33,350 yards (range 2,700 to 112,265) and for women it is 33,500 (range 7,800 to 146,350). That itself is amazing, considering we had 59 males and 77 females. 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 really is no difference between men and women over the 4 years. Please note that swimmers can be counted multiple times if they participated more than once over the 4 years. But now let's check to see if there is a difference by year (**Figure 2**). This gives a better look at what is going on. In most years the males have a higher median than the females. However, there is no statistical difference for any of the years.

Figure 3 is interesting. This is called a scatterplot. One axis shows the Total Miles in 2 weeks and the other axis represents Age. This is also shown by gender. For example, it is easy to spot me because I swam the most during the 4 years (the 4 circles). I am in my mid 40s and I swam 80+ miles each year (slightly more each year). The lines for the male and female show the relationship of age and the miles swam. For the males, you can see that they had a larger decrease in miles swam as they got older. The females didn't have as much of decrease by age.

Finally, **Figure 4** shows the 9 participants who have participated in all 4 years. This figure shows the increases and decreases over the years.

If you have any other questions that you want me to address with the data, just let me know.

Figure 1

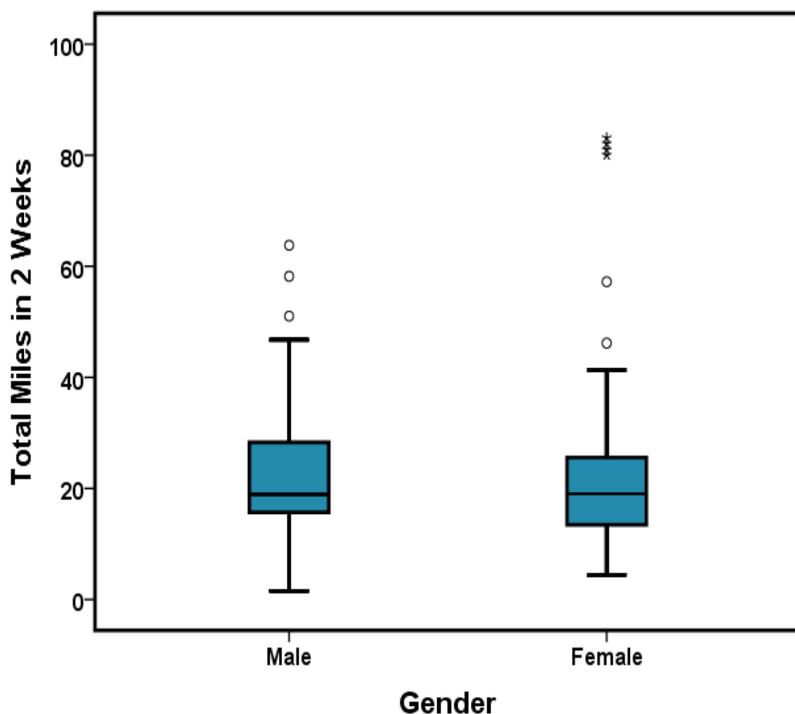


Figure 2

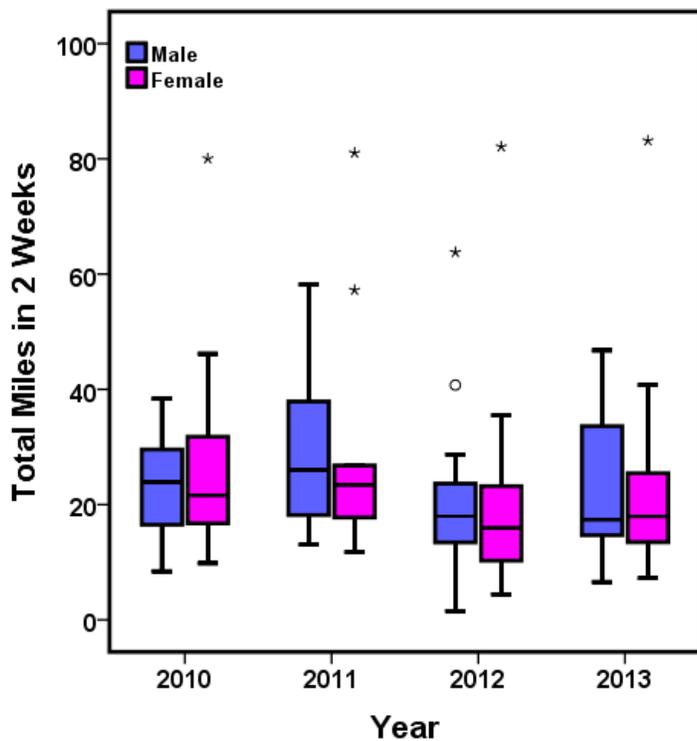


Figure 3

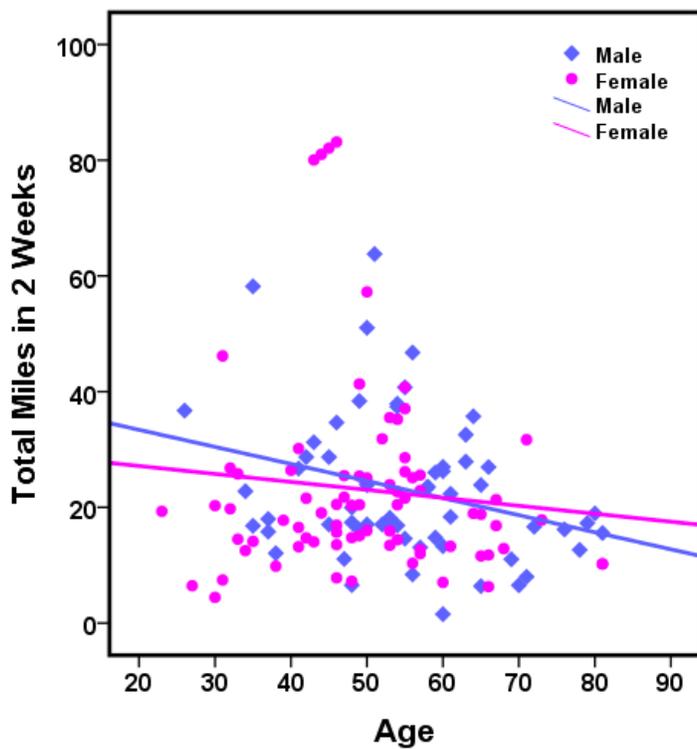


Figure 4

