

CALIFORNIA STATE SCIENCE FAIR 2015 PROJECT SUMMARY

Name(s) **Project Number** Jessica M. Cronin 35124 **Project Title** Variations in Heart Rate Pre- and Post-Exercise: Human kş. Equine Abstract **Objectives/Goals** My goal was to find out whether a horse or it's rider's heart rate would be most d after jumping a course of jumps. Methods/Materials Stethoscope, Stopwatch, Course of Jumps, Horse/Rider Combos Results The horse's heart rate was most affected according to per entages **Conclusions/Discussion** If you look at the amount of beats per minutes the heart rate changed, it looks like the rider's heart rates were most affected. However, since human hearts beat slower than horse hearts, you must find the percentage of the change to see that the horse's heart races actually changed more. **Summary Statement** at whether a horse or it's rider's heart rate would be most affected after jumping a course of jumps **Help Received** Since I had to get heart rates before they could lower, I had the riders take their own pulse while I took the heart rate of their horse.