



**CALIFORNIA SCIENCE & ENGINEERING FAIR
2018 PROJECT SUMMARY**

Name(s) Mumtaaz A. Elmi	Project Number J0407
Project Title What Factors Affect Emotional Intelligence?	
Abstract Objectives/Goals The objective of this project is to test what of 3 factors(gender, family size, and birth order)affect emotional intelligence the most. Methods/Materials 50 middle school students,Emotional Intelligence Tests (available online), Computers, Microsoft Excel, Demographic background survey, Lab notebook, and Score Sheets . Results The results revealed that kids from a big family had 3.06% higher self- awareness than kids from a small family. Additionally, their relationship management and their social awareness were higher by 1.06% and .92%, respectively. On the other hand, a person from a small family had a 13.46% higher rate of self-management. Among girls, emotional intelligence results indicated that their self- awareness was 1.22% less than the boys, but their self-management was 10.07% higher. The results also showed that boys were more socially aware by 6.68% than girls, but their relationship management was 10.00% less than the girls. According to birth order, results showed that for self-awareness, self-management, and relationship management, the last child had the highest and the middle child had the lowest score. As for social awareness, the middle child scored the highest but the first child scored the lowest. Conclusions/Discussion In conclusion, when results were compared, it was shown that gender is not a big factor affecting Emotional Intelligence. The results showed that only 1%-10% of the difference of the percentage of boys vs. girls affected EI. Other factors, such as big family vs. small family and birth order played a bigger role in EL, ranging from 1%-13%.	
Summary Statement I tested what factors affect emotional intelligence.	
Help Received Majority of my project was done by me but I had some input from my advisor.	