

PLEASE FORWARD THIS ANNOUNCEMENT TO TEACHERS AND OTHERS WHO MIGHT BE INTERESTED IN THE TOPIC

Title: Engaging Students in Statistical Investigations with Census at School and Other Projects

Date/Time: Tuesday, November 15, 2016 4:00–5:30 p.m.

Informal reception to follow at approximately 5:45 p.m. at East Street Café on the mezzanine level of Union Station.

Speaker: Rebecca Nichols, Director of Education, American Statistical Association

Chair: Kathy Robens, Montgomery Blair High School

Sponsors: WSS Statistics Education Committee and Gonzaga College High School

Location: Gonzaga College High School - 19 I Street, NW Washington, DC 20001 - Ruesch Hall, Room 307. Please call (202) 336-7100 if you have trouble finding the building.

By Metro: Take the Red Line to Union Station. From Union Station, walk north along North Capitol Street for about 4-5 blocks until you reach St Aloysius Church (just after the football field). Go through the pedestrian entrance of the gate to the right of the church. To your right are the two academic buildings, Ruesch and Cantwell Halls. Enter through the center entrance of those buildings and proceed up the stairs. Turn left at top of stairs and go to Room 307.

By Car: Free parking is available in the school parking garage, which is accessible after 3 p.m. Information about the parking garage can be found at <http://www.gonzaga.org/parking>. Coming out of the garage, the building in front of you is Dooley Hall. To the right of Dooley Hall is a pass-through to the other part of the campus. Go down those stairs, through the pass-through and then up the stairs after that. As you come up the stairs you will see the two main academic buildings, Ruesch and Cantwell Halls. Enter through the center entrance of those buildings and proceed up the stairs. Turn left at top of stairs and go to Room 307.

RSVP: To be placed on the seminar attendance list, please email Carol Joyce Blumberg at cblumberg@gmail.com by November 13, 2016.

Abstract: The ASA's *Guidelines for Assessment and Instruction in Statistics Education (GAISE) Pre-K–12 Report* (www.amstat.org/education/gaise) recommends teaching statistics as an investigative process. This talk will discuss how the statistics concepts in the Common Core State Standards can be taught while guiding students through statistical investigations using their own data with Census at School and other projects. Census at School (www.amstat.org/censusatschool) is an international classroom project that engages students in statistical problem solving using their own real data. Students complete a brief online survey, analyze their class census results, and compare their class with random samples of participating students in the United States and other countries. The ASA and WSS poster and project competitions (www.amstat.org/education/studentcompetitions.cfm) also motivate students to ask questions about the world that can be answered with data. Although Census at School and the poster and project competitions are targeted for K-12 statistics education, there are outreach opportunities for statisticians and statistics students to bring these resources to the schools. Also, the data sources and ideas can be adapted for an introductory statistics audience at the undergraduate level. Similar opportunities for undergraduate students include ASA

DataFest (<https://www.amstat.org/education/datafest/>) and the Undergraduate Statistics Project Competition (<https://www.causeweb.org/usproc/>).

POC email: Carol Joyce Blumberg, cblumberg@gmail.com

Remote Access: If you want to attend the seminar remotely, using video and/or audio, contact cblumberg@gmail.com by November 13, 2016. Instructions will be provided to you around November 10, 2016.