Mathematics Professional Development (all sessions will be held via Zoom)
September 25, 2021 ◆ 9:00 am – 2:30 pm

9:00 – 9:20 am  Welcome & Overview

Lucille S. Arcedas (Technological University of the Philippines Visayas)

In this session I will discuss how Mathamatext, which consists of the combined strategies of contextualization, localization, family math, and multiple intelligences, became the basis for the development of a family math program.

10:00 – 11:30 am  Probabilistic Inference and Data Science
Vikram Krishnamurthy (Cornell University)

Data science and machine learning are areas with significant hype. This lecture will cover some elementary mathematical ideas in probabilistic inference with examples in data science. Topics covered will include exploratory data analysis, linear classifiers, and least squares inference; along with human interpretation of probability. The aim is to show a few simple unifying principles can yield a useful understanding of many concepts in data science.

11:30 am – 12:20 pm  Lunch & Discussion
In breakout rooms, participants will discuss the morning’s presentations and share summaries of their discussions with the whole group.

12:20 – 2:20 pm  Filling in the Gaps with Big Ideas
Kristin LaBeau (Professional Development LLC – No Limits Learning)

In this workshop I will discuss some big core ideas in mathematics that are critical to a strong foundation. If you are tasked with filling in gaps in mathematical knowledge, this workshop will help you plan your instruction, modify materials, and develop interventions that build critical foundational understandings.

2:20 – 2:30 pm  Wrap-Up

Click here to Register for the Workshop (deadline – September 18, 2021)
Questions? Contact Mary Ann Huntley (huntley@math.cornell.edu)