Arend M Kuyper
Prepared: March 10, 2025

Contact Information	2006 Sheridan Road Evanston, IL 60208	☎ (847) 491-8708 ✉ a-kuyper@northwestern.edu

Major Professional Interest(s)

Developing and implementing methods and materials for teaching statistics, especially for introductory statistics and data science related courses. Curricular development in Statistics and Data Science education. Open educational resources (OER).

Education

NORTHWESTERN UNIVERSITY, Evanston, IL

Ph.D. Statistics   2015

Dissertation	An Alternative Method for Teacher Evaluation When Using Student Test Score Data
Advisor	Larry V Hedges, Department of Statistics

SOUTH DAKOTA STATE UNIVERSITY, Brookings, SD

M.S. Statistics	2010
M.S. Mathematics	2010
B.S. Mathematics	2007
Teacher Certification: 6-12 Mathematics	2009 – 2024

Employment

NORTHWESTERN UNIVERSITY, Evanston, IL

Department of Statistics

Associate Professor of Instruction	Sept 2023 – Present
Director of Undergraduate Studies for Data Science	Sept 2023 – Present
IPR Faculty Associate	Dec 2020 – Present
Assistant Professor of Instruction	Sept 2017 – Sept 2023
Director of Data Science	Sept 2021 – Sept 2023
Director of Minor in Data Science	Sept 2019 – Aug 2021
Instructor	Sept 2016 - June 2017
IPR Postdoctoral Fellow	June 2015 – Aug 2017

Open Education Publications

Arvid Krishna, Lizhen Shi, Emre Besler, & **Arend M. Kuyper**. Introduction to Data Science with Python. Northwestern Libraries Digital Publishing. Fall 2022.

Elizabeth Tipton, **Arend M. Kuyper**, et al. Introduction to Statistics and Data Science. Northwestern Libraries Digital Publishing. Stable 2020. Significant Revisions 2022.

Open Education Publications Continued	Danielle Sass, **Arend M. Kuyper**, et al. r4dsTutorialsNU. R package containing learnr reading tutorials to go along with R for Data Science. Fall 2024

Memberships	American Statistical Association (ASA)
	International Association for Statistical Education (IASE)

Teaching	Areas/Topics: Introductory Statistics and Data Science, Data Visualization, and Applied Data Science	
	STAT 301-2: Data Science 2 with R	Winter 2024
	STAT 301-3: Data Science 3 with R	Spring 2024
	STAT 302-0: Data Visualization	Spring 2024
	STAT 302-0: Data Visualization	Summer 2024
	STAT 301-1: Data Science 1 with R (Section 20)	Fall 2024
	STAT 301-1: Data Science 1 with R (Section 21)	Fall 2024

Independent Studies STAT 399	Sari Eisen	Winter 2024
	Sari Eisen	Spring 2024
	Jhil Patel	Spring 2024
	Kathryn Pham	Spring 2024
	Kayla Terrelonge	Fall 2024
	Ali Slayie	Fall 2024

Teaching Awards & Nominations	**Northwestern Canvas Hall of Fame** (Nominated)	2022-2024
	WCAS Alumni Teaching Award	2021-2022

Professional Development	**Instructor Development Discussion Group** Founding Member	Sept 2021 – Present
	Searle Fellows Program Participant	Sept 2023 – Spring 2024

Arend M Kuyper

Prepared: March 10, 2025

Department & University Service	**Chicago Fields Study Advisory Board** Program Committee	2022-Present
	Canvas Accessibility Project Brains Trust AccessibleNU	2023-Present
	Undergraduate Curriculum Committee Department of Statistics & Data Science	Sept. 2017 – Present
	Search Committee (2 positions) Department of Statistics & Data Science Equity Representative	Fall 2024 – Present
	Ad hoc Committee for Reappointment Department of Statistics & Data Science	Spring 2024
	UG TA Program Director Department of Statistics & Data Science Department's Muntz Lassonde Teaching Assistants Program	Fall 2024 – Present
	Summer Course Coordinator Department of Statistics & Data Science	Fall 2024 – Winter 2025
Book Chapter	Chapter 31 Using R with RStudio & Tidyverse (in press) **Arend M. Kuyper** Research Methods and Methodologies in Education, Fourth Edition	Published 2025
Invited Talks	**TEACHx Lightning Talk** Using Posit Cloud to Teach Introductory Statistics and Data Danielle Sass & **Arend M. Kuyper**	Spring 2024