



DATA ANALYSIS

Professional Organizations:

[Data Science Association \(DSA\)](#)
[American Statistical Association \(ASA\)](#)
[Data Management International \(DAMA\)](#)
[Institute for the Certification of Computing Professionals \(ICCP\)](#)

Events & Training:

[UVA Center for Leadership Excellence classes](#)
[ONCL Training Center - IT Training - Charlottesville location](#)
[ONCL Computer Certification Training Classes](#)
[Statistics.com The Institute for Statistics Education MOOCs](#)
[ASA LearnSTAT OnDemand webinar](#)

Education & Certifications:

[Associate of Science \(Computer Science\) degree \(PVCC\)](#)
[Certified Data Management Professional \(CDMP\) Certification Program \(DAMA\)](#)
[Intro to Python Programming Class \(PVCC\)](#)

Independent Learning:

Books:

[Data Smart: Using Data Science to Transform Information into Insight](#) by John W. Foreman
[Practice Data Science with R](#) by Nina Zumel and John Mount
[Data Science with R](#) by Garrett Grolemund
[R for Everyone: Advanced Analytics and Graphics](#) by Jared P. Lander
[Advanced R](#) by Hadley Wickham
[Statistical Computing with R, Second Edition](#) by Maria L. Rizzo
[Learning Python, 5th Edition](#) by Mark Lutz
[Python in a Day: Learn the Basics, Learn it Quick, Start Coding Fast](#) by Richard Wagstaff
[Python Pocket Reference](#) by Mark Lutz
[Excel 2013 Power Programming with VBA](#) by John Walkenbach
[Mastering VBA for Microsoft Office 2013](#) by Richard Mansfield
[Naked Statistics: Stripping the Dread from the Data](#) by Charles Wheelan
[Statistics in Plain English, Third Edition](#) by Timothy C. Urdan

Magazines:

[Computer World](#)

Social Media:

[ASA Facebook](#)

[ASA LinkedIn](#)

[ASA Twitter](#)

[Data Science Association \(DSA\) LinkedIn](#)

Other Resources:

[stackoverflow](#) - free Q&A site for programmers

[RStudio](#) - resources and software

[Information on statistical software from ASA website](#)

[informsonline](#)

[Harvard Business Review Data Analysis articles, books and case studies](#)

On-the-job Resources:

Mentoring:

[Management Mentors](#)

[National Mentoring Partnership](#)

[Center for Creative Leadership \(CCL\) mentoring information](#)

[Bringing People Together mentoring information](#)

[Virginia Mentoring Partnership](#)

[Free Management Library](#)

Job Shadowing:

[Careers Out There](#)

["The Job Shadow Knows: Try on a Career Before You Commit"](#)

[About.com "Job Shadowing is Effective On-the-Job Training"](#)

[Success Mentor Education Inc. "Top 7 Questions to Ask on a Job Shadow Interview"](#)

Informational Interviews/Networking

[My UVA Career](#)

["Mastering the Informational Interview" \(NY Times\)](#)

["What is an Informational Interview Anyway?" \(U.S. News & World Report\)](#)

[Informational Interviewing: The Neglected Job Search Tool](#)

["How Does an Informational Interview Work?"](#)

360 degree feedback:

[UVA Center for Leadership Excellence: Leadership Consulting, 360 Degree Feedback](#)

[custom insight: "What is 360 Degree Feedback?"](#)

[American Psychological Association "Do 360 Evaluations Work?"](#)

[Sigma Assessment Systems: Best Practices in 360 Degree Feedback](#)

[About.com: "Sample Questions for 360 Reviews" by Susan M. Heathfield](#)

[SkillSoft: 360-degree Performance Appraisal](#)