

# DavidLucey

Founder, Redwall Analytics

August 2021

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## About me

Data literate executive combining advanced analytics with deep financial markets and investment domain experience

## Current Activities

2018 - presentIndependent Consultant

REDWALL ANALYTICS

Old Greenwich, CT

- Building portfolio of analytics projects about education, real estate, transportation, markets and government using open public data
- Collaboration on Mass municipal annual financial report PDFs led to pro bono team effort to scrape all US cities with Center for Municipal Finance

## Common Tools

R, Python, SQL, Command Line, Regular Expressions, Entity Resolution, Web/PDF Scraping, Shiny, Tableau, Github, AWS, Docker.

## Project Links

- 2021 Introducing Redwall Red Flag Explorer with New Constructs Data
  - Built financial ratio analysis on 125,000 financial statements to mine for impending problems
- 2021 Introducing the Redwall IRS SOI Tax Dashboard
  - Cleaned messy IRS spreadsheets into modular Shiny app showing tax data from most US zips
- 2020 Parsing City PDF CAFRs with pdftools, tabula and Textract
  - Extracted key elements from 150 financial statement PDFs using OCR tools
- 2020 Learning SQL and Exploring XBRL with secdatabase.com
  - Queried from and Analyzed 200 million row SEC Edgar XBRL database
- 2020 Using drake for ETL and building Shiny app for CT real estate sales
  - Cleaned 1 million rows of public real estate sales for display in Shiny App
- 2020 Evaluating American Funds Portfolio Over Three Market Cycles
  - Modeled weekly performance of portfolio versus custom-built benchmark
- 2020 Accessing XBRL Financial Statements with R
  - Tutorial on how to scrape SEC Edgar with open-source R tools

## Recent Education

2017 - 2018 Master of Science, Business Analytics (MSBA) NYU Stern School of Business

New York, NY

- Intense 15-month program (NYU MSBA Course Index) to teach senior executives to 'extract wisdom from data'
- Capstone built recommender system for online Met Museum of Art Store
- R and Python for data wrangling, visualization and statistical modeling
- Student Intern, ALPINE DATA, LLC. Assist business development for ML SaaS platform sold to large financial institutions

## Past Education

- 1989 - 1994 Master in Business Administration (MBA), Finance NYU Stern School of Business  
New York, NY
- Independent research project on post-1980s Japanese equity warrant valuation
  - Work-study M.S. in Accounting program sponsored by KPMG
- 1985 - 1989 Bachelor of Science (BS), Physics Haverford College  
Haverford, PA
- Thesis simulating electric feedback loops in C
  - Co-Captain of Middle-Atlantic Conference championship soccer team

## Past Experience

- 2012 - 2016 Director Head of Latin American/CEEMEA Emerging Equity Research Sales BARCLAYS CAPITAL  
New York, NY
- Built generalist 3-person Emerging Markets equity sales desk (less than half competitor headcount) by sharing multi-regional knowledge and cross-selling strategies
  - Maintained \$10M of team sales credit until firm exited Emerging Market geographies
- 2008 - 2012 Vice President Emerging Markets Equity Research Sales GOLDMAN SACHS  
New York, NY
- Recruited for Emerging Markets brand extension, which led to rise from unranked in CEEMEA region to #7 for research and market share at 7-8% (\$17M of team gross revenues)
- 1998 - 2008 Executive Director Emerging Market Equity Research Sales UBS SECURITIES  
New York, NY
- Contributed to building of CEEMEA Emerging Equity research franchise recognized by Institutional Investor Magazine as the #1 product for 5 years running

## Past Certifications

- 1993 Certified Public Accountant. Lapsed  
1995 Chartered Financial Analyst. Active