

# CHRISTOPHER M. TEIXEIRA

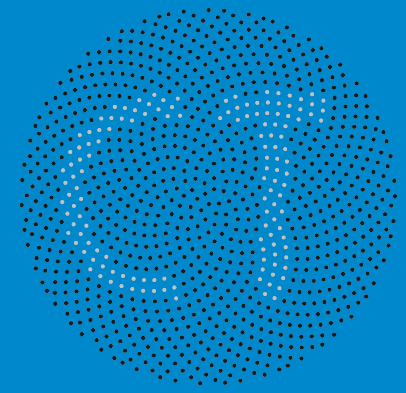
I have supported a variety of federal and commercial customers over my career. The common theme across my career is using data to support decision making amongst my customers. Traditionally, this means being able to understand how it was collected and its weaknesses, adding value through incorporation into a model, and communicating it through a medium like interactive visualizations.

## EDUCATION

- 2010  
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2008
- **M.S., Operations Research**  
George Mason University 📍 Fairfax, VA
- Concentration in Decision Analysis
  - Capstone project using Integer Programming
- 2006  
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2002
- **B.S., Mathematics**  
Worcester Polytechnic Institute 📍 Worcester, MA
- Focus in Applied Statistics and Probability
  - Capstone project using Factor Analysis, PCA, and logistic regression

## WORK EXPERIENCE

- 2019  
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2014
- **Principal Data Scientist**  
MITRE 📍 Bedford, MA
- Serves in many roles from individual contributor to technical lead and integrator to supervisor.
  - Exhibits expertise in a multitude of areas including technical solutions, communication skills, creativity, and vision to deliver a diverse set of technical solutions across different FFRDCs.
  - Scopes statements of work directly with sponsors, advises on technical approaches for research projects, and supports department staff in developing their technical skills.
- 2014  
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2012
- **Senior Analytics Consultant**  
Epsilon 📍 Wakefield, MA
- Work closely with remote clients to understand their needs and translate into tasking for team members.
  - Lead small teams to perform various statistical and data analysis studies using a combination of SAS, Netezza, Tableau, R, and Python.
  - Provide division wide support as an integer optimization expert and assisted in business development activities, including writing proposals and initial scoping of projects with clients.
- 2012  
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2011
- **Senior Analytics Consultant**  
IBM 📍 Herndon, VA
- Work on site with clients, collaborating with other contractors on data analysis projects using SAS products.
  - Support business development activities for federal and private clients and work with contracts to submit proposals.
  - Collaborate with IBM research to update and translate algorithms into useable products for healthcare sponsor.
- 2011  
|  
2006
- **Operations Research Analyst**  
SAIC 📍 McLean, VA
- Contribute to multiple projects using my knowledge of mathematics, statistics, and operations research.
  - Lead a small team of interns to develop their skills in programming and operations research.



## CONTACT

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🐦 [CT\\_Analytics](#)  
🔗 [github.com/ct-analytics](https://github.com/ct-analytics)  
in [linkedin/in/christopherteixeira](https://www.linkedin.com/in/christopherteixeira)  
🌐 [christopherteixeira.com](http://christopherteixeira.com)

## LANGUAGE SKILLS

R
SQL
Tableau
Python
AnyLogic
Bash
Java
SAS
Javascript (d3.js)

## MORE INFO

See full CV at [christopherteixeira.com/cv](http://christopherteixeira.com/cv) for a more complete list of projects and publications.



## SELECTED PROJECTS

2019  
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2017

### State Engagement to Address Opioid Overprescribing and Misuse

MITRE

- Manage a team of 30+ staff with a variety of disciplines.
- Met objectives to use analytics to define opioid prescribing behavior, create working groups to advise and review, and create a framework to measure opioid prescribing.
- Presented complex topics including machine learning applications to state officials.

2018  
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2016

### Predictive Analytics in Child Welfare

MITRE

- Lead 2-3 staff members to help child welfare agencies understand the use of predictive analytics.
- Published 3 papers to support child welfare agencies.
- Completed small analysis to fuse data from various state agencies to do a longitudinal study of foster children.

2017  
|  
2015

### Strategic Workforce Model

MITRE

- Lead an effort to measure and simulate workforce movements with a corporation.
- Modified an initial model in AnyLogic to understand various hiring strategies.
- Built a micro simulation in Python to evaluate a variety of hiring strategies and finance decisions.

2012

### Customer Attrition Analysis

Epsilon

- Worked with team members to build a Bayesian Belief Network (BBN) on large data sources in Netezza to predict the likelihood of a person closing an account with our client.
- I compared the BBN model results against Logistic Regression to determine best modeling approach.

2009  
|  
2006

### NASA - Probabilistic Campaign Manifest Analysis Tool

SAIC

- Updated and expanded the capabilities of this simulation tool to track new metrics and increase the number of Bernoulli trials run within the course of a campaign.
- Effort on this work was acknowledged in the [“SEEKING A HUMAN SPACE-FLIGHT PROGRAM WORTHY OF A GREAT NATION”](#) report to Congress.



## SELECTED WRITING

2017

### Predictive Analytics In Child Welfare: An Assessment Of Current Efforts, Challenges And Opportunities

MITRE

- This document explores the state of the use of predictive analytics in child welfare by conducting an environmental scan of child welfare agencies, academia, nonprofit organizations, and for-profit vendors.
- Completed through the support of [HHS ASPE](#).

2017

### Predictive Analytics in Child Welfare: An Introduction for Administrators and Policy Makers

MITRE

- This document provides an overview of different analytical approaches and goes into a set of criteria that should be used in determining if predictive analytics is the right approach to solving a problem.
- Completed through the support of [HHS ASPE](#).