PROFESSIONAL DEVELOPMENT PLAN

Introduction

This professional development plan is my strategic roadmap to transition from my current career into a fulfilling dual role as a data scientist and statistics professor. My journey began with a BS in Psychology from PUP Sta. Mesa, followed by six years as a Contract of Service (COS) college instructor while also pursuing an MA in Psychology. I left my master's thesis for a more secure and better-paying role as a provisional Senior High School (SHS) teacher with DepEd. Currently, I'm navigating a significant career shift, balancing the demands of the DepEd system—its extensive paperwork and advisory duties—while also pursuing my Post-Baccalaureate Certificate in Teaching Program (PBCTP) at PNU Manila.

Self-Assessment

Strengths	Shadows
▪ **Extensive Teaching Experience in Statistics:** I've taught psychological statistics at PUP Sta. Mesa for six years. ▪ **Passion and Perseverance:** I spent three years after college studying daily to fully grasp elementary statistics before I began teaching. This shows my dedication and patient learning style. ▪ **Real-World Application Knowledge:** aving taught statistics in the context of psychology, I know how to apply statistical concepts to real-world problems. ▪ **Honed Communication Skills:** As an instructor, I've learned to simplify and communicate complex statistical ideas. This is vital for both teaching and explaining data insights.	▪ **Foundational Mathematical Weaknesses:** I struggle with algebra, calculus, and trigonometry, which are key to advancing in statistics and data science. ▪ **Limited Understanding of Advanced Probability:** I only have a basic grasp of probability, which is the theoretical foundation of statistics and machine learning. ▪ **Lack of Production-Level Programming and Machine Learning Skills:** I don’t know about advanced programming, machine learning, or software engineering, which are needed in data science ▪ **CHED's Vertical Alignment Preference:** Tertiary institutions, following CHED's advice, prefer faculty with vertically aligned degrees from undergraduate and graduate level, which puts me at a disadvantage with my Psychology background. ▪ **Health and Financial Constraints:** My health conditions require costly medicine, and my salary is barely enough

	to cover my expenses. I also need to gain financial stability to support my parents when they retire in eight years. ▪ **Time Constraints:** My DepEd job and PBCTP studies leave me with little free time for upskilling. ▪ **Slow learner:** I am a slow learner; it took me three years of daily study just to fully understand the basics of elementary statistics.

Goals	Plan of Action	Resources Needed
I need to **strengthen my mathematical and probabilistic foundations**.	• I will dedicate a few hours each week to **free**, **self-paced**, **online courses** on pre-calculus, calculus, and probability.	• *Free* online learning platforms (i.e. Coursera, Khan Academy) • Time management system
I will apply as a full-fledged **statistics professor** to a higher educational institution.	• After finishing my PBCTP in PNU Manila, I will **apply to a master's program in statistics**. • I will leverage my PBCTP and teaching experience in my future job applications for professorship.	• Academic advisors (master's program in statistics) • *Free* financial planning resources (i.e. books, podcasts, online shows) • Professional networking platforms like LinkedIn
I will seek opportunities to become a **data scientist**.	• I will build a **portfolio** of data analysis projects using free and public data sets. • After finishing my master's degree in statistics, I will seek **part-time freelance work** to gain experience.	• Career mentor (data science) • Professional networking platforms • Capable and *affordable* computer that can handle necessary data science software like R, Python, SQL, Tableau, Power BI

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