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## Spring Semester 2015 Sabbatical Proposal for Brendan P. Purdy, PhD

University of Health Sciences in Pomona. and I continue to consult on statistical matters

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for the Ventura County Office of Education.

I have taught introductory statistical models for social science at UC Irvine and introductory statistics at Saddleback College and Moorpark College, where I have been a full-time math faculty member for over five years. As a math faculty member at Moorpark College:

1. I have taught Math M15 both in its five and four unit iterations;
2. I have taught Math M15 out of both of the two textbooks that our department uses;
3. I have taught Math M15 both with and without the use of a graphing calculator;
4. Being the current Math Faculty in the Math Center (from Fall of 2008 until the end of



# Spring Semester 2015 Sabbatical Proposal for Brendan P. Purdy, PhD

## Rationale & Topics of Research

Math M15 is an important course for Sabbatical Study for a number of reasons.

(1) First, there are usually at least 25 sections of Math M15 each semester.

[REDACTED]

[REDACTED]

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# **Spring Semester 2015 Sabbatical Proposal for Brendan P. Purdy, PhD**

*Statway, that aim to increase the number of students that successfully complete their quantitative coursework.*

The only realistic way that I can investigate these three aspects of Math M15 is by being granted sabbatical leave.

## **Schedule/Plan for Sabbatical Work**

*N.B. In parenthesis the Roman numeral refers to the topics of research in the previous section.*

[REDACTED]

\* (I): Begin to investigate the link between pre-transfer math classes to transfer level statistics and non-mathematical course work beyond.

\* (II) & (III): Gain an overview of how the different way statistics is taught in California and elsewhere, particularly at the community colleges, but also at four-year institutions.

February/March 2015 - *Curriculum and pedagogy research for Statistics*

[REDACTED]

## Spring Semester 2015 Sabbatical Proposal for Brendan P. Purdy, PhD

\* (I), (II), (III): Write a report on my findings, with particular emphasis on how my research can be instituted at Moorpark College.

I should also note that I'd plan to attend at least one, if not two, conferences. My hope is that I could attend sessions at the conference(s) with a research focus on statistics and with an academic focus on statistics

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### Benefits of Sabbatical Leave

Benefit to Myself: I will be able to take what I have learned on leave, and apply it directly to the classroom, where again I plan to teach at least two courses of Math M15 for the foreseeable future.

Benefit to Faculty: I'll have an increased understanding of the different ways that statistics is taught and the purposes it serves for other disciplines. I'll be able to share this knowledge with the faculty and administration at Moorpark College through Faculty

\_\_\_\_\_ with the math department, particularly the

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## Spring Semester 2015 Sabbatical Proposal for Brendan P. Purdy, PhD

Benefit to Moorpark College: By benefiting faculty, administration, and students, my research will benefit the College as whole since the fundamental goal of this research is to help statistics student succeed and will be is aligned with the Students Success Initiative.

Benefit to the District: I'll share this information with the Mathematics Departments of

~~Alameda and Ventura Colleges and in particular will help with the entire District effort~~