

Thesis Journey at MPH, Epidemiology

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- ① Story behind my thesis
- ② About my thesis
- ③ What were our thesis topics?
- ④ How did we find thesis topics?
- ⑤ Feasibility vs. Interest

Story behind my thesis

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RESEARCH ARTICLE

WILEY **Health
Economics**

Estimating lifetime medical costs from censored claims data

Jing-Shiang Hwang¹  | Tsuey-Hwa Hu¹ | Lukas Jyuhn-Hsiarn Lee² | Jung-Der Wang³

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HWANG ET AL.

WILEY | e335

$W(t)$ beyond the maximum follow-up t_F , we can use a **restricted cubic splines model** to fit the flattened curve of logit $W(t)$ using the whole follow-up period (Andersson, Dickman, Eloranta, Lambe, & Lambert, 2013). The fitted model is then used for the extrapolation of logit $W(t)$ beyond follow-up. The restricted cubic spline function of H knots is defined as

$$q(t) = \beta_{00} + \beta_{01}t + \sum_{h=1}^{H-2} \beta_{h3} \left\{ (t-a_h)_+^3 - \left[(t-a_{H-1})_+^3 (a_H-a_h) - (t-a_H)_+^3 (a_{H-1}-a_h) \right] / (a_H-a_{H-1}) \right\}, \quad (4)$$

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(wileyonlinelibrary.com) DOI: 10.1002/sim.5943

Estimating the loss in expectation of life due to cancer using flexible parametric survival models

Therese M-L Andersson,^{a,*†} Paul W. Dickman,^a Sandra Eloranta,^a
Mats Lambe^{a,b} and Paul C. Lambert^{a,c}

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- (Jan-Jun 2020) Thesis period ~~Covid period is not yet done. :(~~

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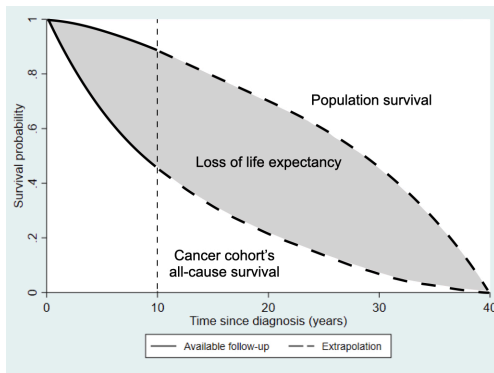


Figure: Graphical illustration of loss of life expectancy

Learning during my thesis period?

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- We are at the place with treasure .

Learning during my thesis period?



Gol.D.Roger said to Monkey D. Luffy,
"My fortune is yours for the taking,
but you'll have to find it first.

I left everything I own in One Piece."

(Figure: <https://kledikun.blogspot.com/2017/12/goldroger-or-monkeydluffy.html>)

What were our thesis topics?



Figure: Thesis topics of MPH class of 2020. Figure credit: Newsletter to master students, Department of Global Public Health, July 2020

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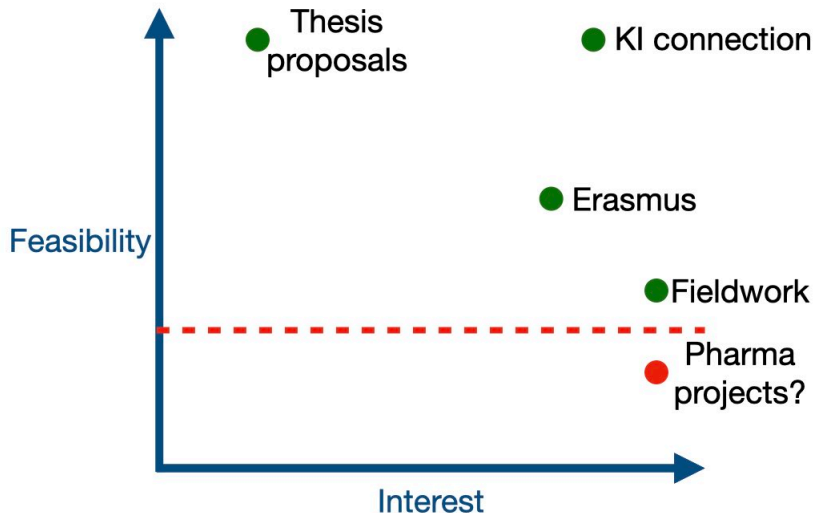
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- Erasmus

Feasibility vs. Interest



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- Interest:
 - You can feel happy when doing your thesis.

You need friends



Figure: <https://www.pinterest.com/pin/450289662716760457/>

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The slides from today can be found at:

https://enochytchen.com/talk/mphthesis/mphthesis_upload.pdf