Landmines & Zombies

Taking on Chronic Fatigue













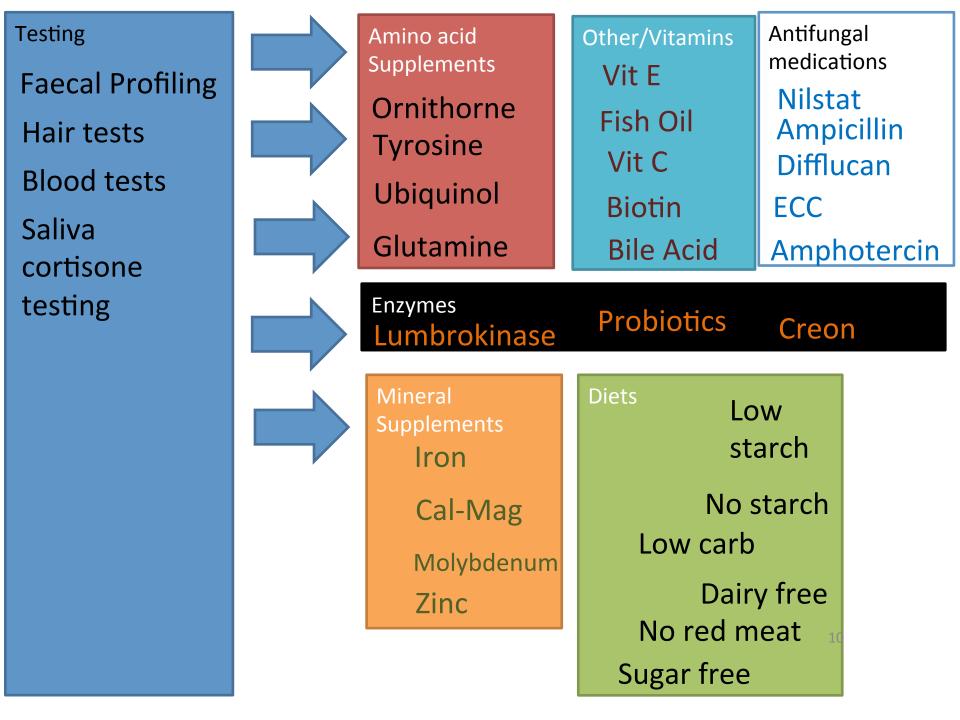


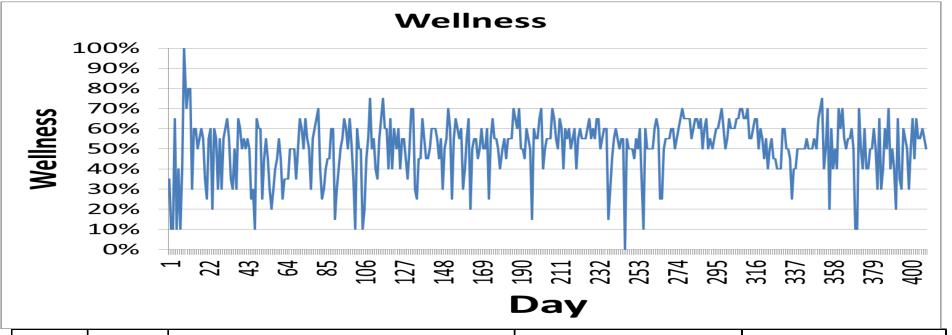




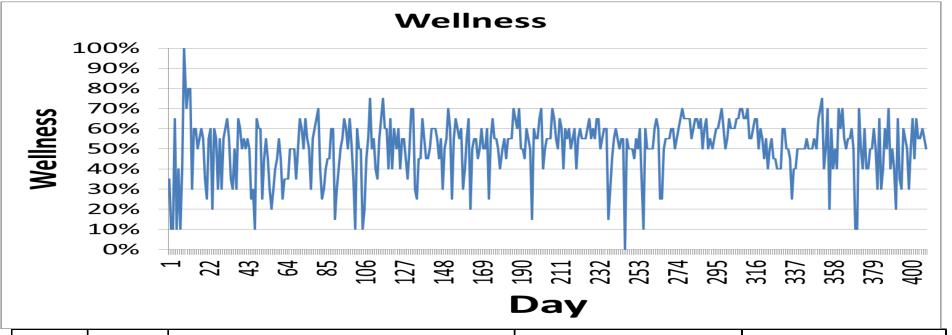








Date	Wellness	Notes	Diet	Medications
			start this column here: total diet:	
			asparagus, celery, red cpsicum,	
			spinach, almonds, meat, herbal	starting taking: 6 parex, 4
			teas, eggs for brekky. Exceptions	nilstat, 4 amphotercin 10mg
8/09/10	0.35		noted	lozenge, probioplex, hydrozole
9/09/10	0.1		"	п
10/09/10	0.1	had a glass of wine	"	П
11/09/10	0.65	had coffee and a shot of whisky at night	"	п
12/09/10	0.1		"	п
13/09/10	0.4	glass of wine at night	"	П
		glass of wine at night (my bday!) also didn't have		
14/09/10	0.1	lunch. No meat today, only fish (salmon) for dinner.	"	п
		1/2 glass of wine, switched from beef/chicken to fish	removed all meat other than fish	
15/09/10	0.4	as only meat. Also had first Difflucan tonight.	from above diet	same plus difflucan today
16/09/10	1	felt 99% normal ! 1/2 glass wine at night	"	back to same minus difflucan

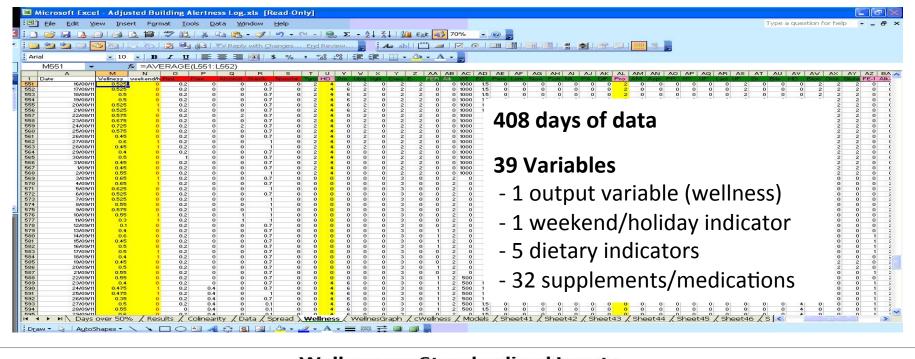


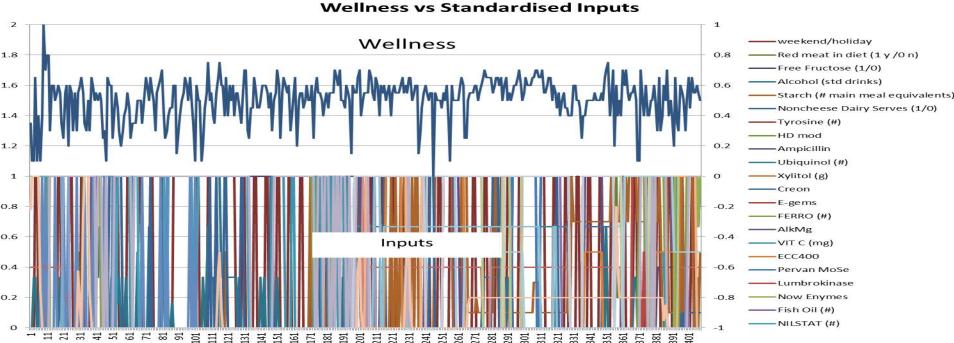
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Minefield Clearance Time Model

$$\ln CLEARTIME = \beta_0 + \beta_1.\ln FRAGS + \beta_2 \sqrt{AREA}$$
$$+ \beta_3.ivUXO + \beta_5.\ln(AP + 1) + u_i$$

Effect of statistica	Illy significant vari	ables (Transformed mode	el)			
			Constant	Fragment Slope	Area slope	AP
I ^						(InTeamHours/InAP)
Base figure		-1.71	0.531	0.00345	0.01	
Additional effects	Land use	Grazing, Irrigation, Road				
		Agricultural			0.00076	
		Residential		0.023		
	Significant UXO	No				
		Yes	0.15	5		
	Hard surface	No				
		Yes		0.014		
	Vegetation	Bushes, Grass, None				
		Prickly bushes		0.015		
		Trees			0.00112	
Total		?	?	?	0.014	
Total		?	?	?	0.014	





A Personal Wellness Model

$$WELLNESS = \beta_0 + \beta_1 f_1(x_1) + \beta_2 f_2(x_2) + \beta_3 f_3(x_3) + ... + \beta_n f_n(x_n)$$

Multiple Regression

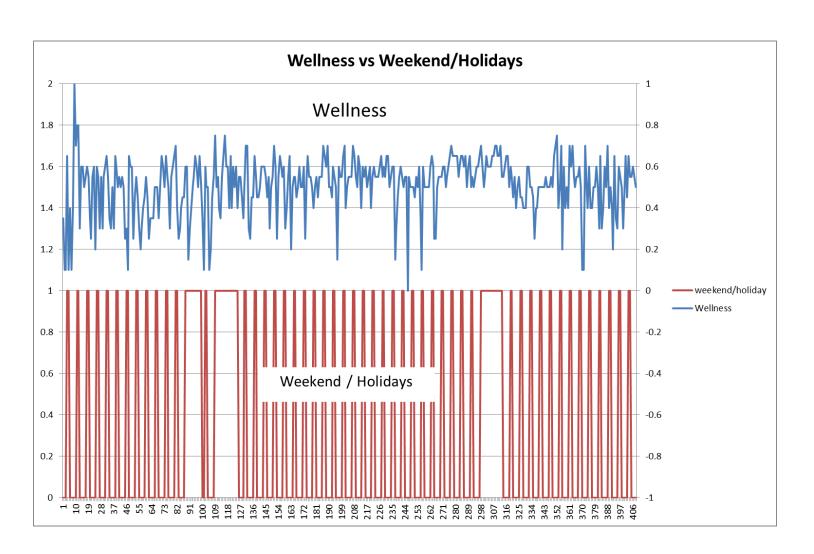
Stepwise procedure to optimise variable form

Factor 1Weekends/Holidays

Coefficient: 7.0%

P-value: **0.0000006**

Optimal form: 100% on Day 0



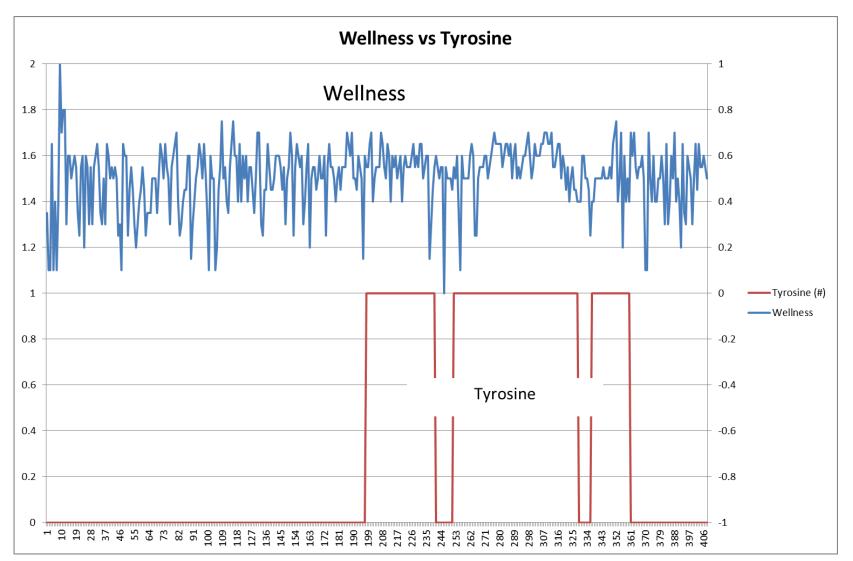
Factor 2

Tyrosine

Coefficient: 6.9% per 1000mg

P-value: **0.000010**

Optimal form: 100% on Day 0



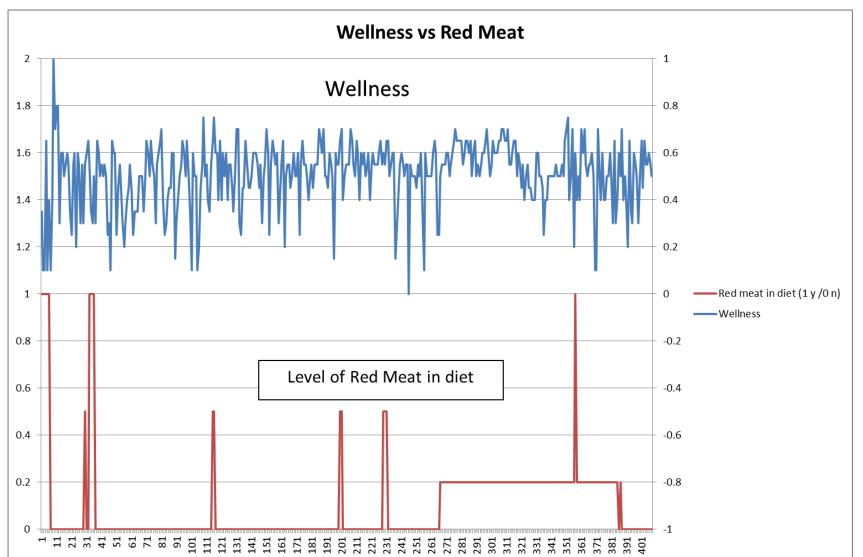
Factor 3

Red meat

Coefficient: -5.9%

P-value: **0.07**

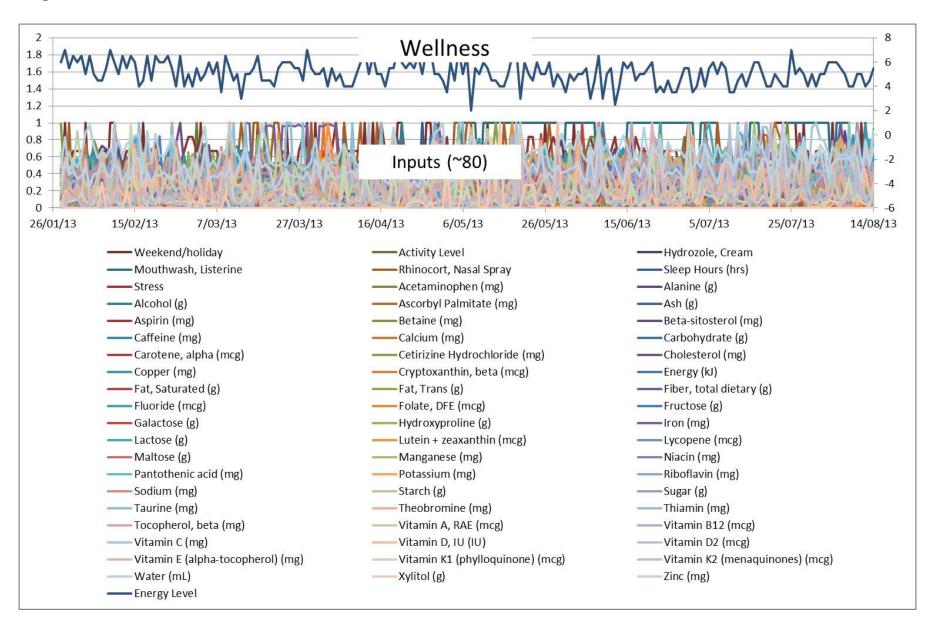
Optimal form: 33% from Days 0, -1 and -2



Results Summary

Factor	Effect	Magnitude	Effect timescale	Level of Certainty
Holidays	Good	+7%	Same day	High (p=0.00)
Tyrosine	Good	+7%	Same day	High (p=0.00)
Red meat	Bad	-6%	Cumulative over ~3 days	Moderate (p=0.07)

I got a bit excited...



What I learned



What I learned

I thought

I learned

The medical profession was my only hope

There are things I can do to help myself



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Chronic fatigue was too complicated to analyse	That's what statistics are for!
The data was too rough	Rough and regular is enough



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I learned

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There are things I can do to help myself

That's what statistics are for!

Chronic fatigue was too complicated to analyse

Rough and regular is enough

The data was too rough

I **do** know my own body

It was 'only' subjective measurement