

## Michael Patel

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# Michael Patel

## Explore My Work

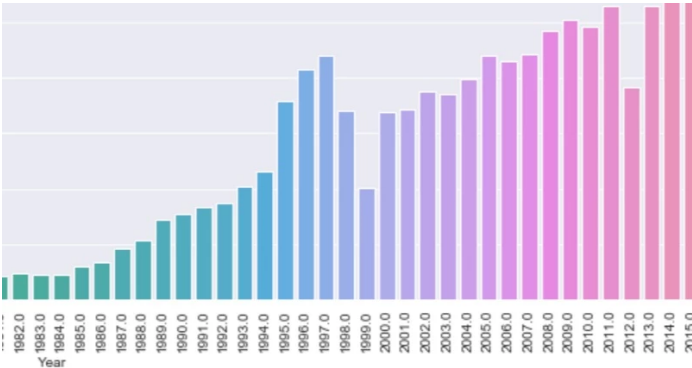
Welcome to my portfolio! Both my academic and my work experience, have given me a very diverse perspective.

In economics, I deal a lot with the social side of data, giving me a technical understanding of what the data really means. Going beyond just numbers, we look at how things affect each other, and my information science minor has been the perfect complement. I've developed strong programming knowledge and data visualization, that coupled with my economics degree, has enhanced my analytic ability and my critical thinking skills. My studies have given me a holistic approach to data analysis which allows me to truly understand what is going on and be able to represent it. In my previous work experience, I have gained valuable skills, such as working collaboratively on projects and generated direct relationships with customers and team members. I am ready to contribute from day one and I am really motivated to help improve platforms for all kinds of users.

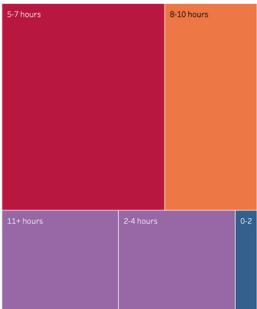


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Time spent studying during an average week



Do you have enough time to exercise?

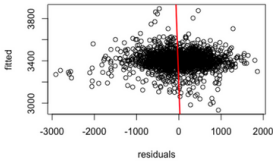
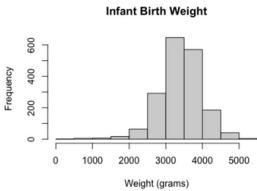


Figure 3: Residuals vs. Fitted Values

As for the Normality Assumption, it states the population error,  $u_i$ , is independent of the explanatory variables  $x_1, x_2, \dots, x_k$  and is normally distributed with zero mean and variance. This is demonstrated in Figure 3, above, as the residuals have a mean that is very close to zero.



Residuals:

Min	1Q	Median	3Q	Max
-2911.20	-319.85	20.64	353.03	1860.65

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	2959.901	96.164	30.780	< 2e-16 ***
cigs	-11.234	3.276	-3.430	0.000618 ***
npvis	16.973	3.874	4.381	1.25e-05 ***
monpre	21.136	11.445	1.847	0.064951 .
fage	6.622	2.352	2.815	0.004925 **

Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 570.9 on 1827 degrees of freedom  
Multiple R-squared: 0.02153, Adjusted R-squared: 0.01938  
F-statistic: 10.05 on 4 and 1827 DF, p-value: 4.81e-08

Figure 5: Final Regression Summary

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