

# Bon Voyage

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# From April

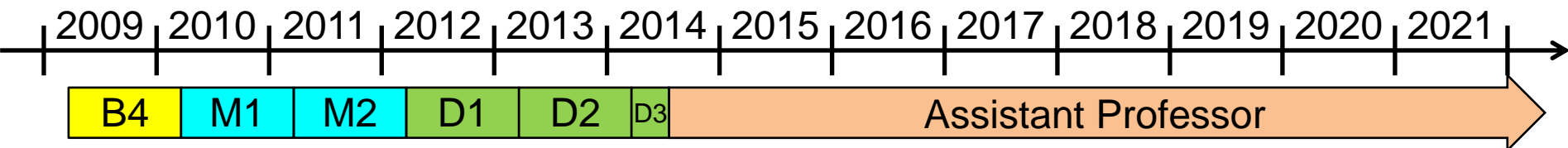
- Research Scientist at LIGO Laboratory in the Division of Physics, Mathematics, and Astronomy, California Institute of Technology
- 客員共同研究員 at Research Center for the Early Universe, University of Tokyo
- Work on “improving the sensitivity of the LIGO interferometers, as well as future generations of gravitational-wave detectors”
- Will also keep working on dark matter experiments, as I will keep budgets with my position at RESCEU

# Job Hunting

- Number of applications (number of the ones proceeded to an interview in parentheses)

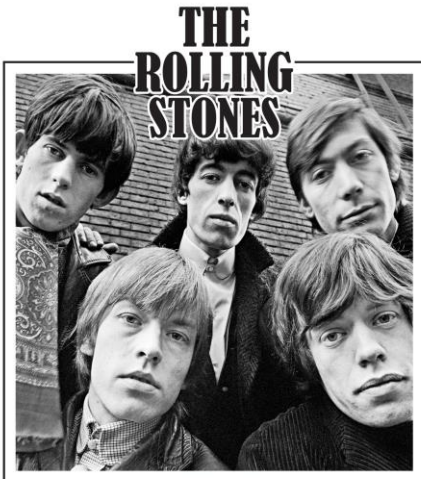
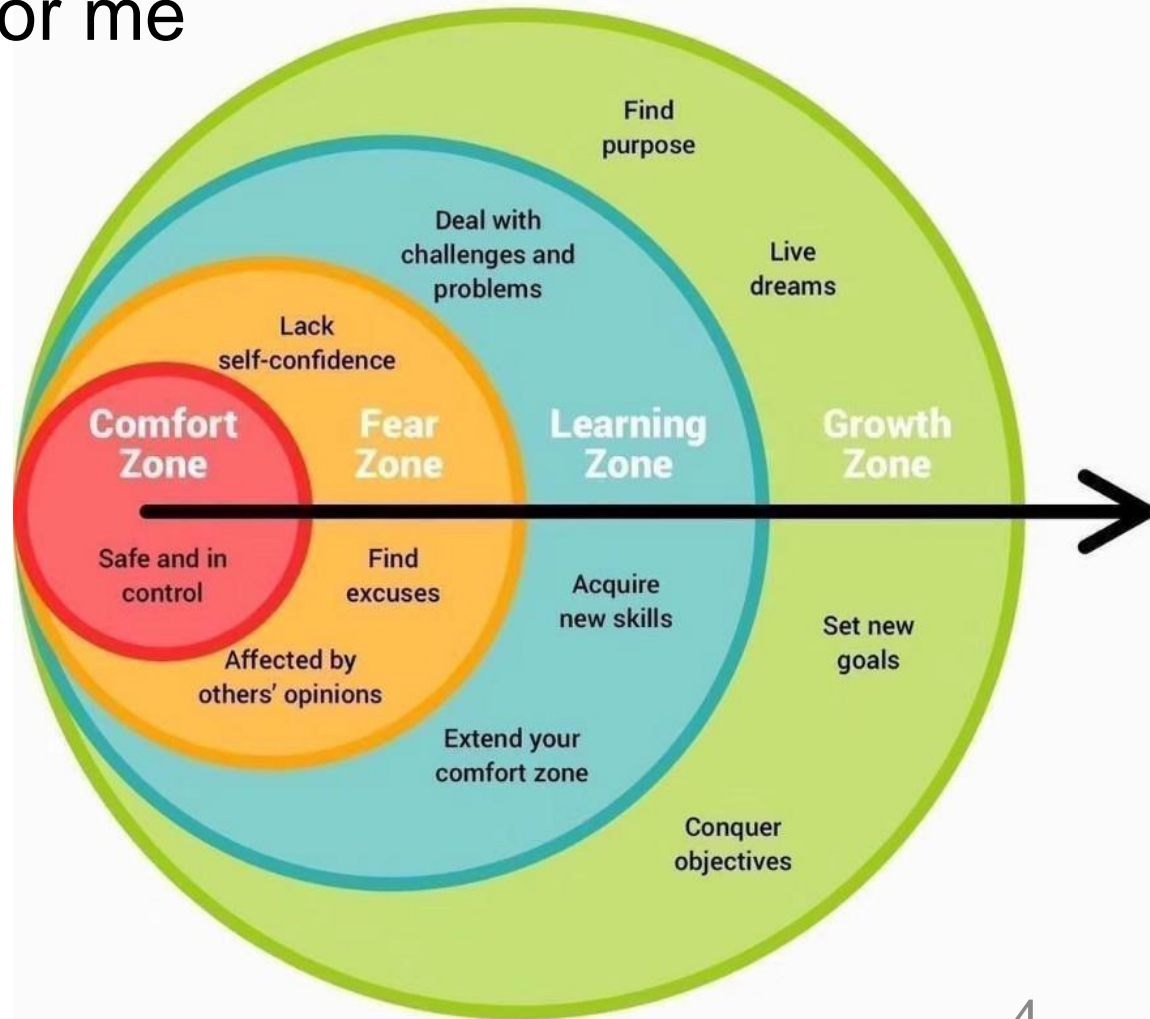
	Japanese Institute	Non-Japanese Institute
2017	2	1
2018	0	0
2019	3 (1)	0
2020	2	4 (2)
2021	1	0
2022	0	0

← Virgo visit



# Comfort Zone

- I've been at Tsubono/Ando Lab since 2009
- Too comfortable for me



# Years Since PhD

Japan	PD	Assis	Assoc	Prof
Other	PD	Staff		

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
AA	ERI 1995											ERI 2007							ERI 2015							
KK	UT 1998			AEI 2001			LHO 2005																			
MA	UT 1999									Kyoto/NAOJ/UT 2009																
KY	ICRR 2001					AEI/Trento/Padova 2007				ICRR 2011						Toyama 2017										
KA	NAOJ 2001							Caltech 2010																		
AT	ERI 2002																									
KN	NASA 2003																									
YA	Columbia/Calt ech 2006		UT 2009								NAOJ 2017															
KI	KEK 2010		Tohoku 2012							Tohoku 2020																
KI	LHO 2012			ISAS 2017				ISAS 2021																		
NM	UT 2014	Tohoku 2015					Gakushu in 2021																			
YM	UT 2015							?																		
TU	UT/ICRR 2016		ICRR 2018																							

# Ground Based GW

Stay at



東京大学  
THE UNIVERSITY OF TOKYO

- Wanted to detect GW with KAGRA (feel like I gave up, my past work was waste of time)
- My love to KAGRA might be one-sided

Go to



Caltech

- Work on Voyager sounds very exciting
- Learn how to manage LIGO



# Space Based GW

Stay at



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- SILVIA started and in a very exciting stage
- DECIGO is extremely attractive
- Japan might be too poor to support them

Go to



Caltech

- Probably not so active
- Maybe a new possibility for collaboration



# Dark Matter and Other Experiments

Stay at



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- Two big projects have just started, not good to “abandon”
- Boss doesn’t say much to my own projects
- Liberty and independence



Go to



Caltech

- One of the budget can be brought to Caltech (still under negotiation)
- Main work will be on LIGO and others will be my side business





# Career

Stay at



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- Associate in xxx years??
- Too many duties?
- Maybe not good at teaching
- Harder to move as getting older



Go to



Caltech

- I want to be a PI, but Research Scientist is usually not a professor track
- Experience outside of Japan is valuable



# Finance

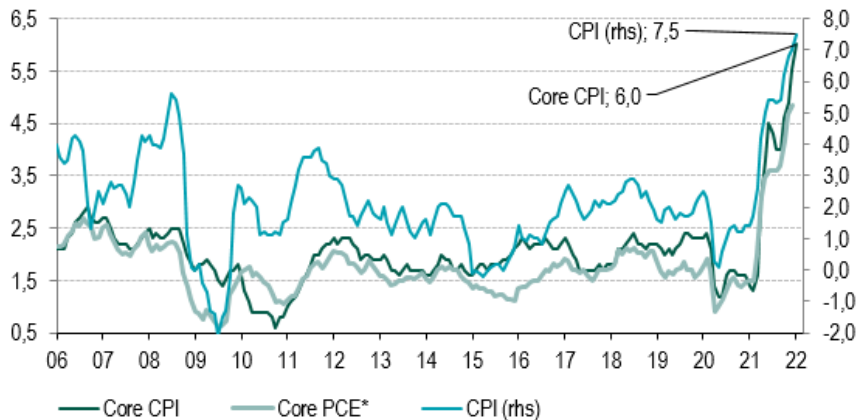
Stay at



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- My wife also works
- Doing OK

Exhibit 1: US Inflation rises in January at fastest annual pace since 1982 - graph shows year-on-year changes in %



\*PCE Personal Consumption Expenditures  
Source: Bloomberg, BNP Paribas Asset Management as at 10 February 2022

Go to



Caltech

- My wife cannot work with current visa
- Rent / car price is increasing crazy
- Inflation rate is high
- Yen is weak



# Life

Stay at



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- We like Japanese food
- Housing in Japan is very nice (bathtub, washer/dryer etc.)
- We know how to live in Japan
- Japan is a safe country
- Tokyo is extremely convenient
- Medical situation is also good



Go to



Caltech

- I also like American food
- Housing in the US is not as good (but spacious)
- We will need a car
- We are not sure how to live in the US
- We will never be a native English speaker
- But probably life in Pasadena is much better than the rest of the US

# Family

Stay at



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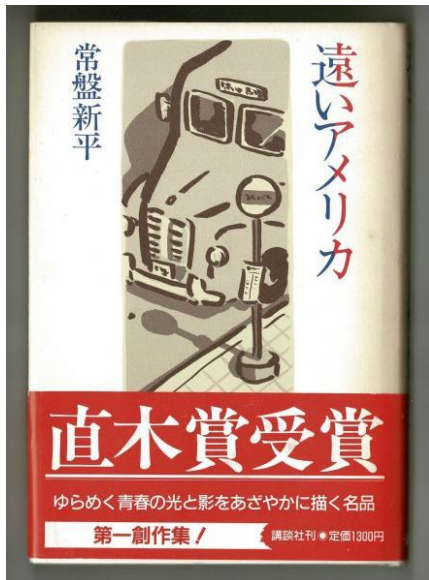
Go to



Caltech

- Grand parents are happy to see our son

- No relatives in the US
- Hard to visit US/Japan due to COVID
- People say I will have more time to spend with my family because of less miscellaneous duties



Do you want to go if you are alone?



Yes



Then, let's go!

# Relocation with Family

- My employment & insurance will end on March 31<sup>st</sup>
- If my family moves after March 31<sup>st</sup>, my family needs their own insurance
- If we move together at the same time, we need to stay at hotels/Airbnb's until we find a place to live, which is tough for our son
- We decided to...
  - I go before March 31<sup>st</sup> to find a place to live and prepare a home
  - I go back to Japan and move with my family on March 31<sup>st</sup>

# 1 JANUARY 2022

日	月	火	水	木	金	土
26	27	28 Visa interview	29	30	31	1
2 (休)	3 (休)	4	5	6	7	8
9	10	11	12 Received visa	13	14 Booked airplane	15
16	17 (病)	18	19 (病)	20 (病)	21	22
23	24	25 (休)	26 (休)	27 (休)	28	29
30 (休)	31	1	2	3	4	

Petition started in July.  
PhD evaluation took time.

- (病) Hospital
- (休) No nursery

NHK

5

$\alpha$	$\beta$	$\gamma$	$\delta$
アルファ株	ベータ株	ガンマ株	デルタ株

オミクロン株

ピークは?

15

画像提供: 米国立アレルギー感染症研究所

# 2

# FEBRUARY

2022

日	月	火	水	木	金	土
30	31	1	2	3	4	5
		休 病	休	休 Shipping	休 病	
6	7	8	9	10	11	12
病		Mitaka	休 病			
13	14	15	16	17	18	19
		休 病	休 Drivers license	休 病	休 Shipping	
20	21	22	23	24	25	26
休 Tax return	病 Talk	休	休 Shipping	病	休 病	
27	28	1	2	3	4	5
病 Fly to LAX						PCR
6	7	8	9	10	11	12

Almost no nursery due to COVID.

Medical examinations and vaccinations before moving.

Selecting and packing minimum things to ship. Takes time and money to ship due to COVID.





# 3

# MARCH

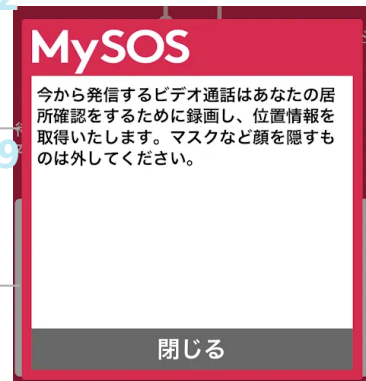
2022

日	月	火	水	木	金	土
27	28	1	2	3	4	5
		Bank account	Car window broke	Rental application	Rental contract	Started to live
6	7	8	9	10	11	12
(休)			Turn on power	Water leak	PCR	
13	14	15	16	17	18	19
Fly to HND		(休) (病)		(休) (病) Seminar	(休) PCR	TODAY
20	21	22	23	24	25	26
	(病) Booster	(病)				
27	28	29	30	31	1	2
	End of rental		PCR	Last day Fly to LAX	RESCEU start	
3	4	5	6	7	8	9
	Caltech start					

Opening a bank account could be done without SSN, with Caltech address.

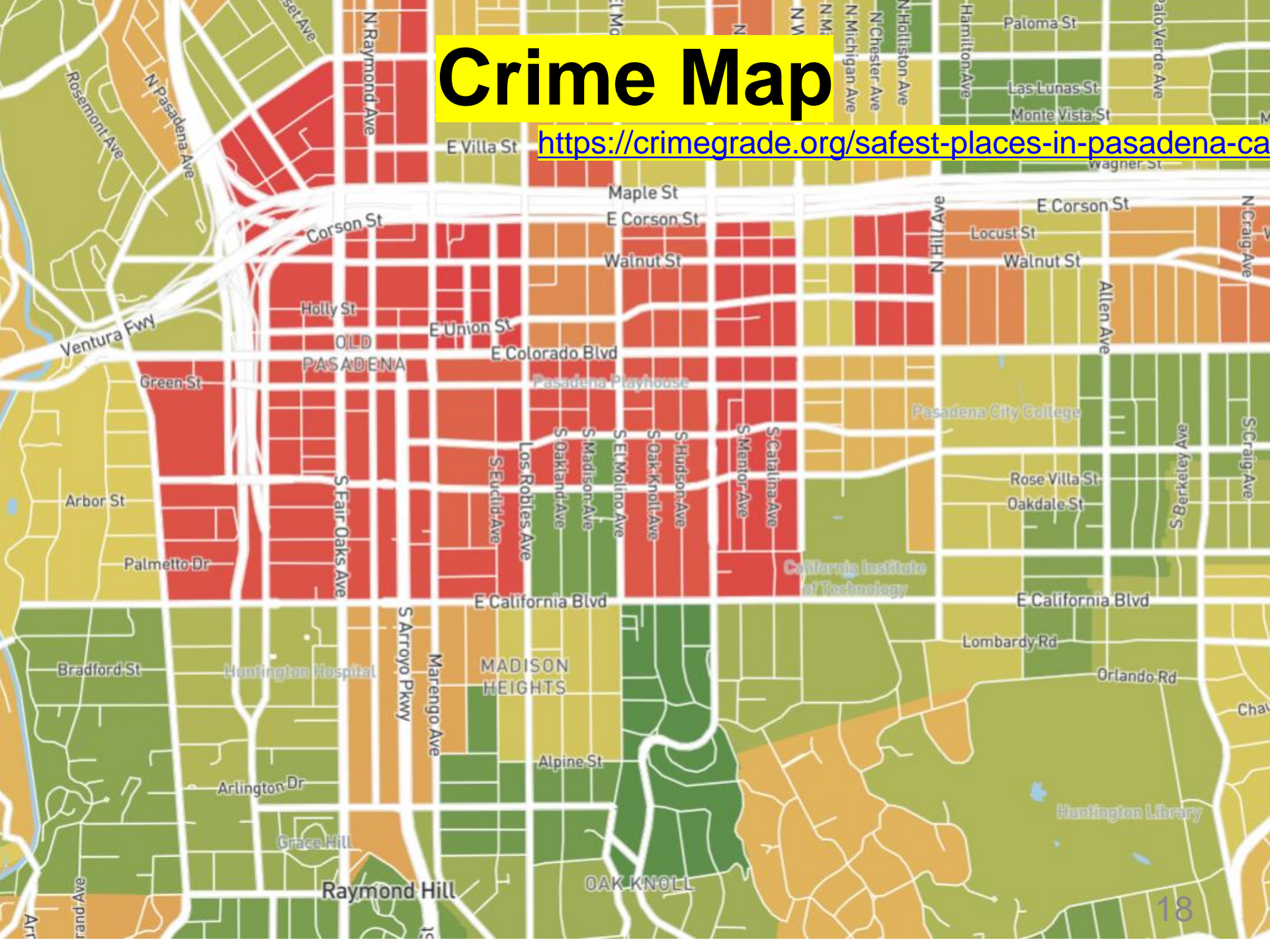
Contacted 35+, viewed 11 properties, 2 said no if no SSN, 1 said no if baby.

iPhone ran into "apple logo loop" during the flight to HND.



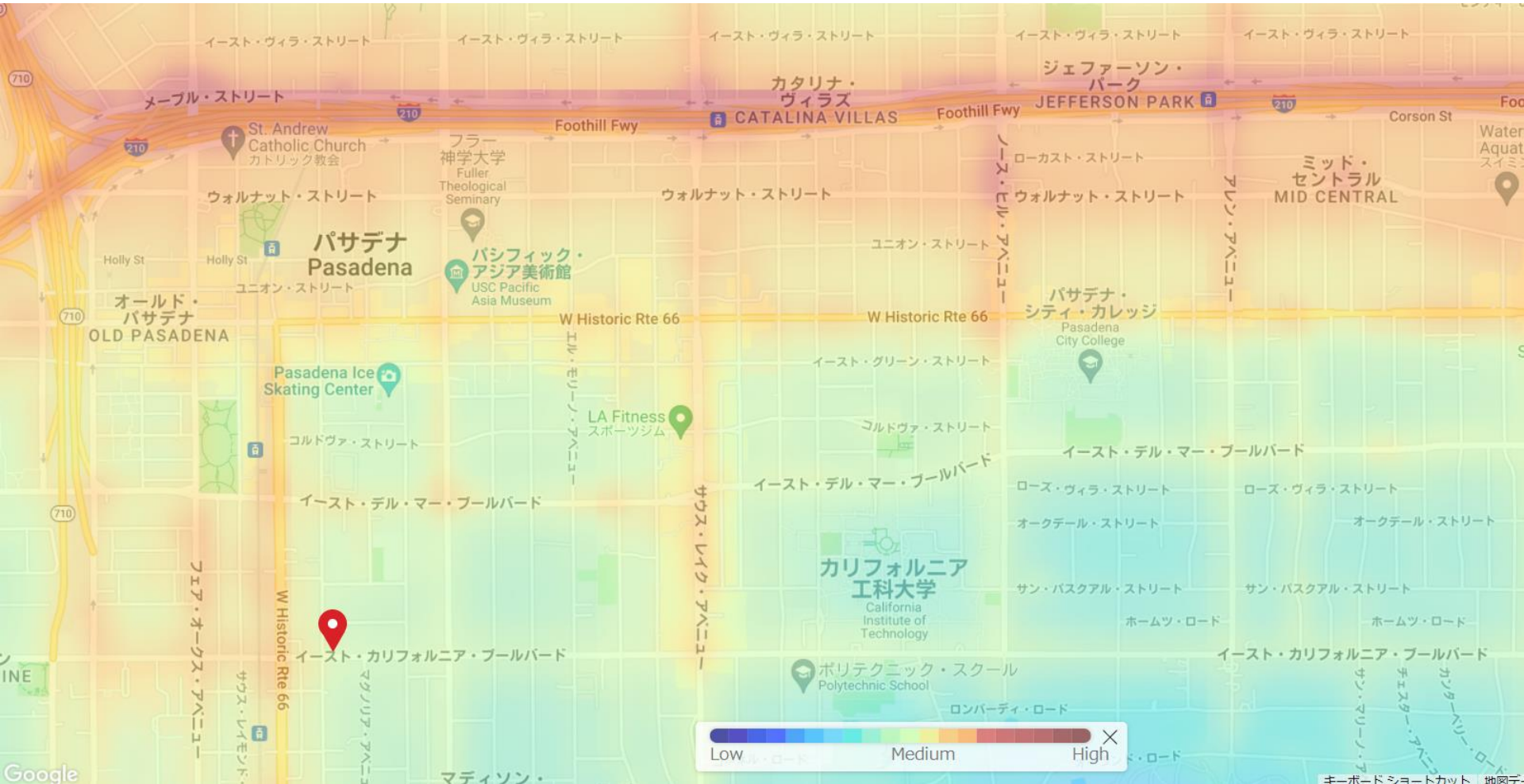
# Crime Map

<https://crimegrade.org/safest-places-in-pasadena-ca>



# Noise Map

<https://www.realtor.com/>



# Remaining Works

- Wrap up things in Japan
- Insurance (renter's, car, medical, dental, vision)
- Get a car
- Internet, phone, TV .....
  
- Live a safe and healthy life