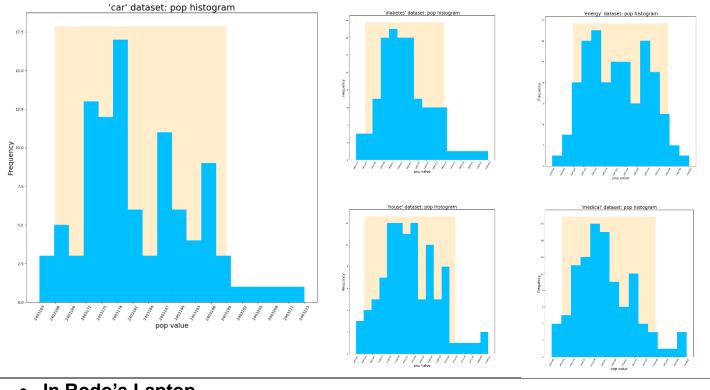
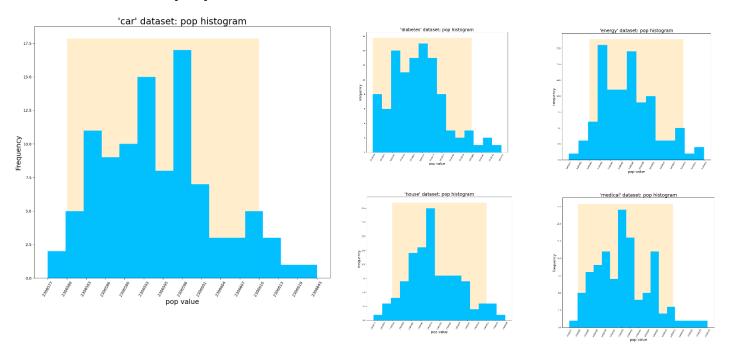
## 1. Histograms of POP Values

## • In Raspberry Pi



## • In Rodo's Laptop



Note that PUSH Histograms are not added as they have the exact distribution to their POP Histograms

## 2. Comparison

- Traces in either Laptop or RPi shows consistent POP/PUSH/SGROW/SSHRINK count in and after function\_start() => function\_end() (Figure 1)
- POP/PUSH in either Laptop or RPi are idempotent before function\_start() => function\_end(). However, srow and SSHRINK in this area does not change. (Figure 1)

						<u> </u>							
filepath	file no.	pop_before_A	push_before_A	sgrow_before_A	sshrink_before_A	pop_in_A	push_in_A	sgrow_in_A	sshrink_in_A	pop_after_A	push_after_A	sgrow_after_A	sshrink_after_A
linear_reg	1	2403181	4383483	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	2	2403178	4383478	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	3	2403190	4383498	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	4	2403190	4383498	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	5	2403172	4383468	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	6	2403199	4383513	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	7	2403172	4383468	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	8	2403184	4383488	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	9	2403172	4383468	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	10	2403196	4383508	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	11	2403175	4383473	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	12	2403196	4383508	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	13	2403169	4383463	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	14	2403178	4383478	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	15	2403172	4383468	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	16	2403187	4383493	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	17	2403163	4383453	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	18	2403172	4383468	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	19	2403175	4383473	124	164170	28890	56358	7	1334	186	336	0	17
linear_reg	20	2403196	4383508	124	164170	28890	56358	7	1334	186	336	0	17

Figure 1

• RPI trace has more POP / PUSH / SSHRINK before function\_start() => function\_end() area than LAPTOP's. But at several areas, the numbers can be smaller.

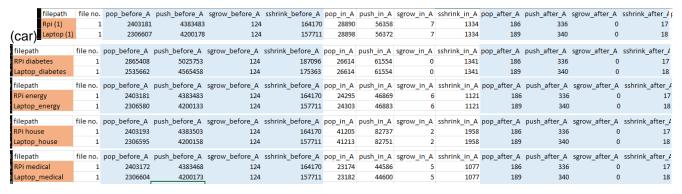


Figure 2