

2014

10 years in review

2024

Schiff Consulting

Big
numbers

139
projects

11
countries

50
clients

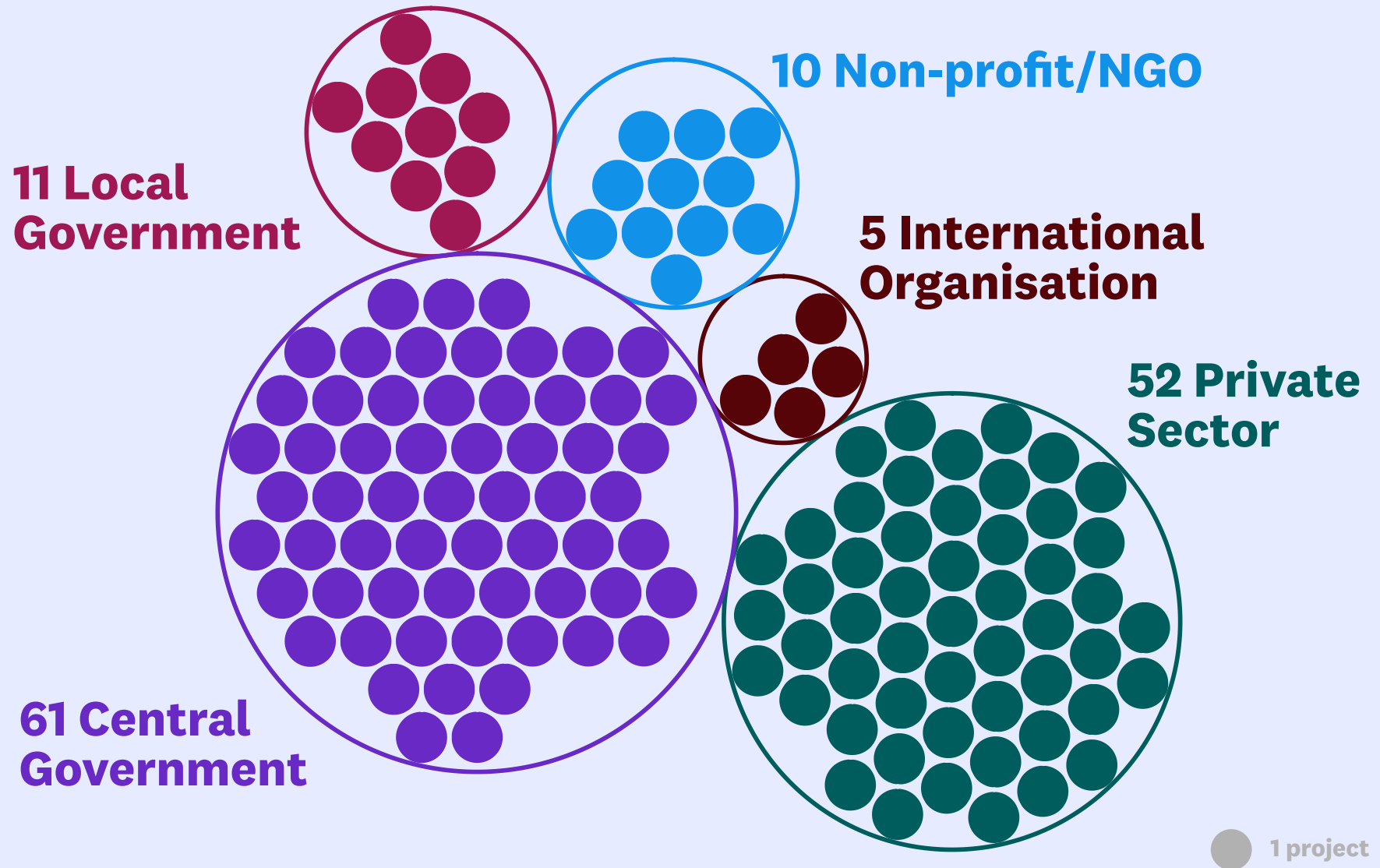
258,394
lines of R code

22
industries

Project locations

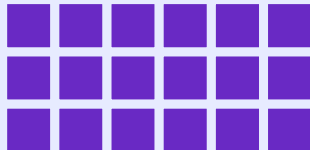


Sectors

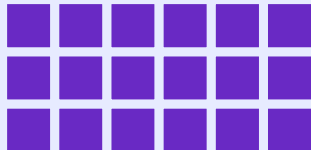


● 1 project

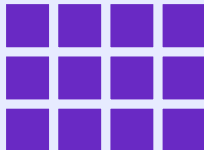
Industries



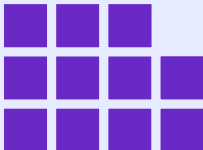
Land transport



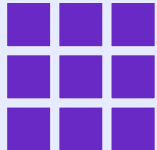
Telecommunications



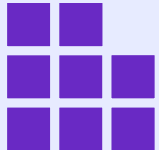
Health



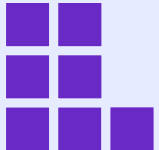
Social services



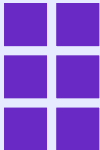
Air transport



Tourism



Open data



Infrastructure



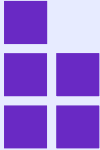
Research



Technology



Local government



Retail



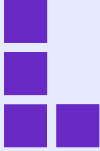
Creative arts



Electricity



Manufacturing



Market research



Banking & finance



Property



Education



Media



Construction



Environment



Key projects

Building an R code model for the NZ Ministry of Transport to forecast \$4 billion of annual government revenues from petrol taxes and road user charges

Data analysis to support the NZ Commerce Commission's market studies of groceries and personal banking

Evaluating economic contributions of Asia-Pacific technical co-operation programmes run by the International Atomic Energy Agency

Analysing impacts of changes to NZ driver licensing rules on road safety outcomes

Technical progress



2014

O12 fx =IF(L12>=\$I\$6,"",IF(L12<=\$I\$4,SUMIFS('Actual Data'!\$S\$15:\$S\$138,'Actual Data'!\$P\$15:\$P\$138,'GDP Calcs'!L12),SUMIFS('GDP Calcs'!\$H\$10:\$H\$219,'GDP Calcs'!\$E\$10:\$E\$219,'GDP Calcs'!L12)))

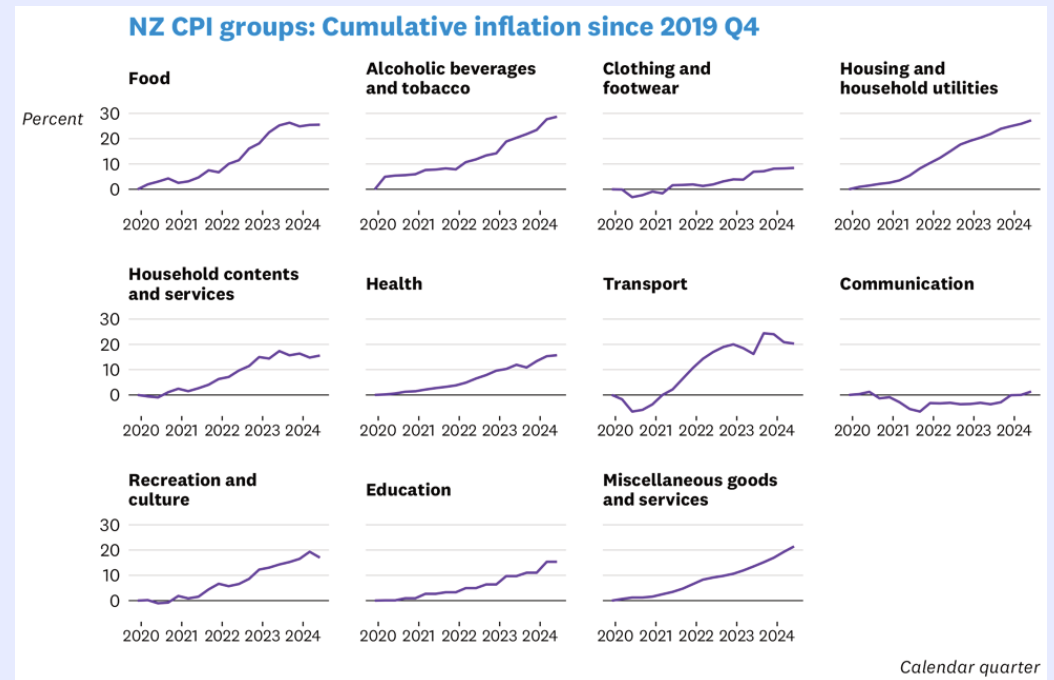
	K	L	M	N	O	P	Q	R	S	T	U	V	W
7													
8		Combined Quarterly Series						Combined Monthly Series					
		Index	Quarter	Year	Real GDP per Capita (Seas Adj)	Real GDP Per Capita (Actual)		Index	Month	Year	Quarter	Real GDP per Capita (Seas Adj)	Real GDP Per Capita (Actual)
9		1	1	1992	5,772	5,767		1	1	1992	1		
10		2	2	1992	5,797	5,806		2	2	1992	1	1,924	1,922
11		3	3	1992	5,688	5,363		3	3	1992	1	1,927	1,927
12		4	4	1992	5,715	6,031		4	4	1992	2	1,930	1,931
13		5	1	1993	5,831	5,830		5	5	1992	2	1,932	1,935
14		6	2	1993	5,897	5,926		6	6	1992	2	1,920	1,886
15		7	3	1993	6,011	5,645		7	7	1992	3	1,908	1,837
16		8	4	1993	6,098	6,436		8	8	1992	3	1,896	1,788
17		9	1	1994	6,216	6,215		9	9	1992	3	1,899	1,862
18		10	2	1994	6,230	6,269		10	10	1992	4	1,902	1,936
19		11	3	1994	6,210	5,835		11	11	1992	4	1,905	2,010
20		12	4	1994	6,286	6,631		12	12	1992	4	1,918	1,988
21		13	1	1995	6,367	6,369		13	1	1993	1	1,931	1,966
22		14	2	1995	6,447	6,480		14	2	1993	1	1,944	1,943

```
dat_rca_samples <- read_csv(  
  file = here("data/APAD-IAEA-EltFineconc-Databaseat11May23.csv")  
) |>  
  clean_names() |>  
  filter(!is.na(site), !is.na(country)) |>  
  select(  
    country, site, sample,  
    day, mnth, year,  
    pm2_5mass  
  ) |>  
  mutate(across(  
    .cols = c(day, mnth, year),  
    .fns = as.integer  
  )) |>  
  mutate(date = make_date(year = year, month = mnth, day = day)) |>  
  filter(!is.na(date)) |>  
  mutate(site = paste0(country, site)) |>  
  left_join(  
    y = dat_rca_sampling_dates |> select(site, start, stop),  
    by = "site"  
  ) |>  
  filter(date >= start, date <= stop)
```

2024

Tool development

```
output_chart(  
  chart = chart_cpi_ll,  
  path = here("outputs"),  
  orientation = "wide",  
  xlab = "Calendar quarter",  
  ylab = "Percent",  
  ggtitle = "NZ CPI groups: Cumulative inflation since 2019 Q4",  
  show_baseline = TRUE,  
  flipped = FALSE,  
  x_axis_ticks = TRUE,  
  axis.text.x = element_text(size = rel(0.9)),  
  plot.title = element_text(  
    size = rel(1.5),  
    colour = as_colours_qual[2],  
    margin = margin(2, 0, 8, 0, "pt")  
  )  
)
```



A custom R package and ggplot theme for data visualisation

Thank you!

To all the clients,

collaborators

and friends

for your support over the past 10 years

Schiff Consulting



Aaron Schiff
PhD

I help clients find answers
at the intersection of
data science and economics

www.schiff.nz

aaron@schiff.nz