



# **Swinburne University of Technology**

### **COS30045**

#### **DATA VISUALISATION**

### **Lab Exercise Demonstration 1**

(Exercises 1.1-2.4) (Week 3)

Student Name: Chong Hong Liang

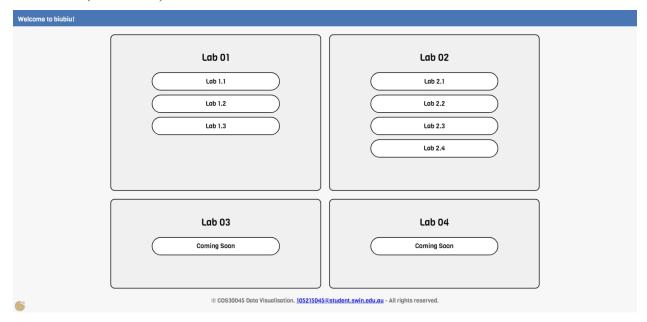
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Section: C2

### Source Code (GitHub)

#### FireeLiang/COS30045 DATA VISUALISATION (github.com)

#### Webserver (index.html)



1. Primary Webserver

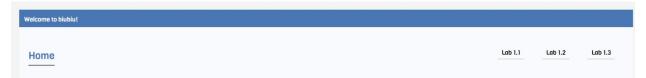
Lab Homepage (infinityfreeapp.com)

2. Backup Webserver

Lab Homepage (fireeliang.github.io)

#### **Lab01**

#### lab\_1.1.html



### Introduction of a pet into their household during the pandemic in Australia

#### Pets and the Pandemic

Author: Liang

A report from Animal Medicines Australia (AMA) has found that many Australians took the opportunity to introduce a pet into their household during the pandemic. Their survey indicated that there was a significant increase in the percent of households taking in a new dog, fish or bird. Their research also indicated that pets had a number of positive influences on their lives such as:

- companionship
- · better mental health
- joy and happiness.

Pet type	Household penetration (%)		Total owner households ('000)		Animals per household (average)		Total pets ('000)	
	2019	2021	2019	2021	2019	2021	2019	2021
Dogs	40	47 🛊	3,848.2	4,644.6	1.3	1.4	5,104.7	6,344.3
Cats	27	30	2,602.4	3,030.7	1.4	1.6	3,766.6	4,903.3
Fish	11	13 🛦	1,056.8	1,314.5	10.7	8.5	11,331.7	11,186.5
Birds	9	14 🛊	867.9	1,384.0	6.4	3.9	5,569.4	5,448.4
Small mammals	3	5	257.8	498.9	2.4	3.0	614.5	1,502.0
Reptiles	2	4	194.5	426.4	1.9	1.6	364.2	663.4
Other pets	2	1	194.8	118.6	9.2	3.4	1,785.3	401.2
Pet Owners		69 ▲	5.9 m	6.8 m			28.5 m	30.4 m
Non-Owners	39	31 ∜	3.7 m	3.1 m				

Fig 1.Comparison of Pet Ownership in 2019 and 2021. Data Source: Animal Medicines Australia Report







Fig 3.Dog

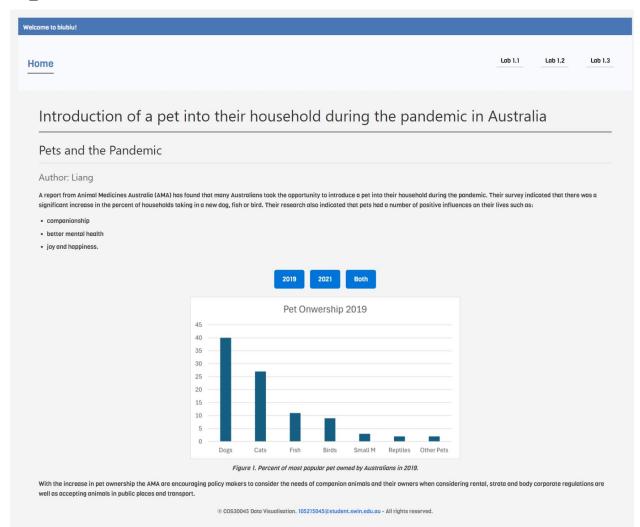


Fig 4. Fish

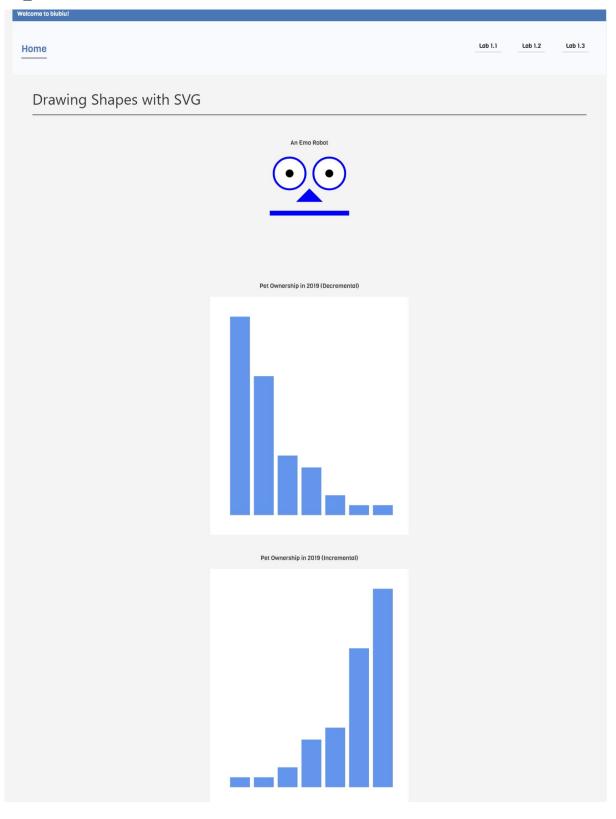
With the increase in pet ownership the AMA are encouraging policy makers to consider the needs of companion animals and their owners when considering rental, strata and body corporate regulations are well as accepting animals in public places and transport.

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#### lab\_1.2.html



lab\_1.3.html

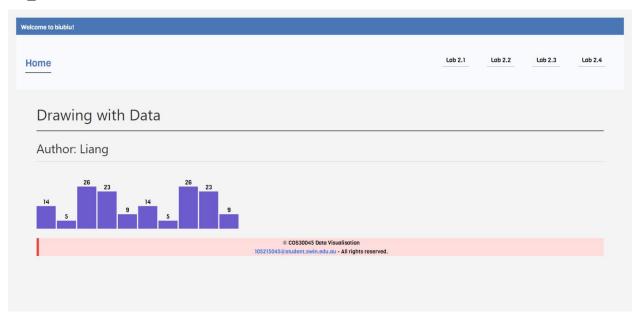


### Lab02

### $lab\_2.1.html$



## lab\_2.2.html



## lab\_2.3.html



lab\_2.4.html

