

Statistics tell Stories sell



What does the data say?

- is there anything unexpected
- is there a trend (**increasing, decreasing, stable**)
- can we comment on the reasons why
- can we / should we compare to other results
- can we give details on sub-groups

Ways of describing change



ECCE	2012	2013	2014	2015
Total Population (ages 3–5)	20,333	21,124	21,748	22,177

1. Number change
2. % increase
3. Average annual increase

Using the data for 2012 to 2015 let's calculate the change

More practice

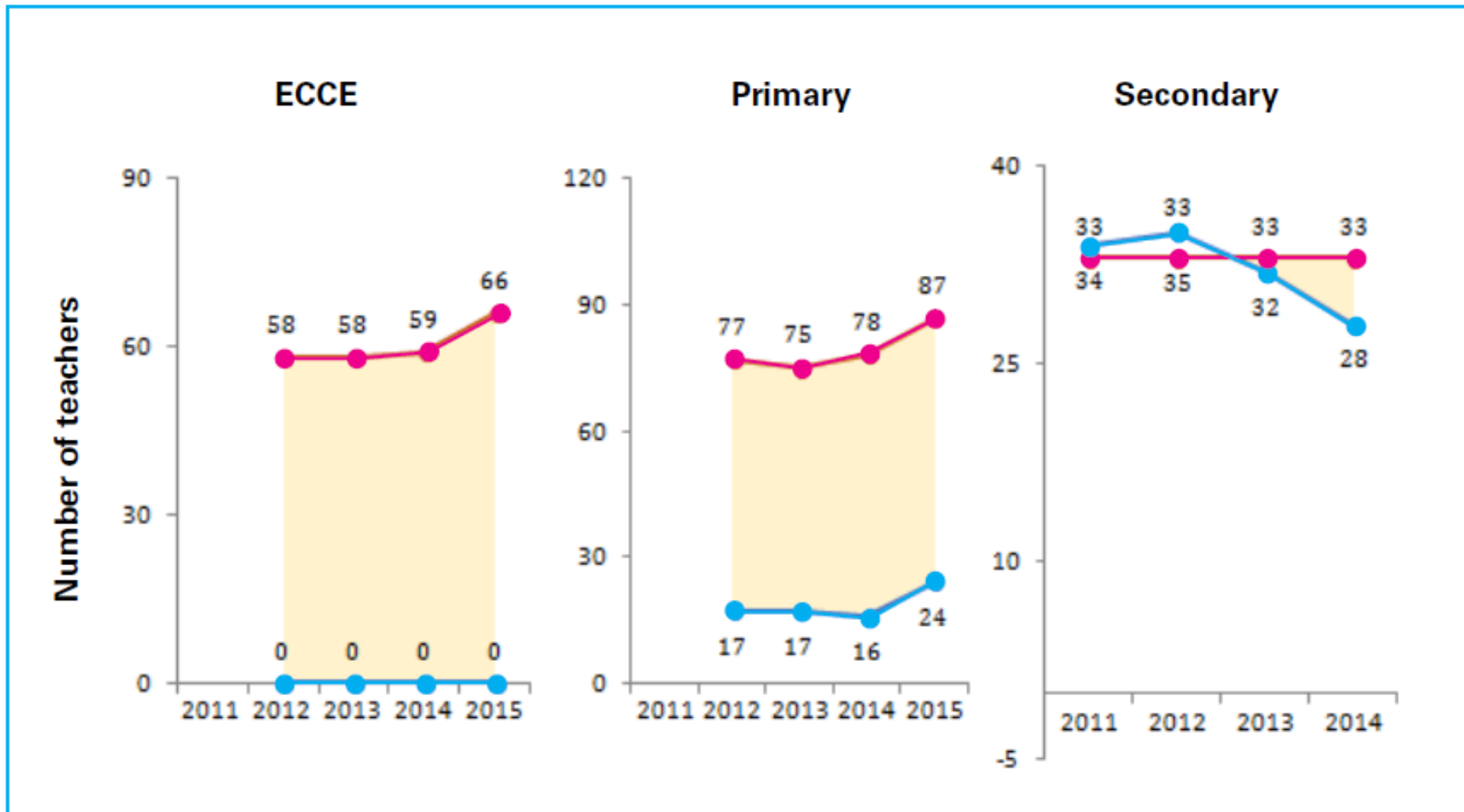
...

2010	2011	2012	2013	2014	2015
6,563	6,779	7,011	7,355	7,403	7,441

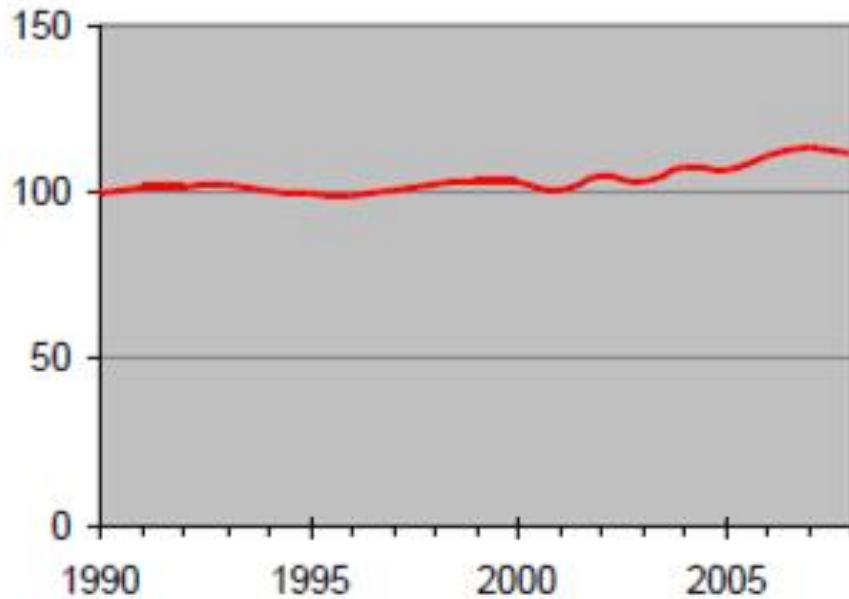
1. Number change 2010-2015
2. % increase 2010-2015
3. Average annual increase 2010-2015

Is this a good graph?

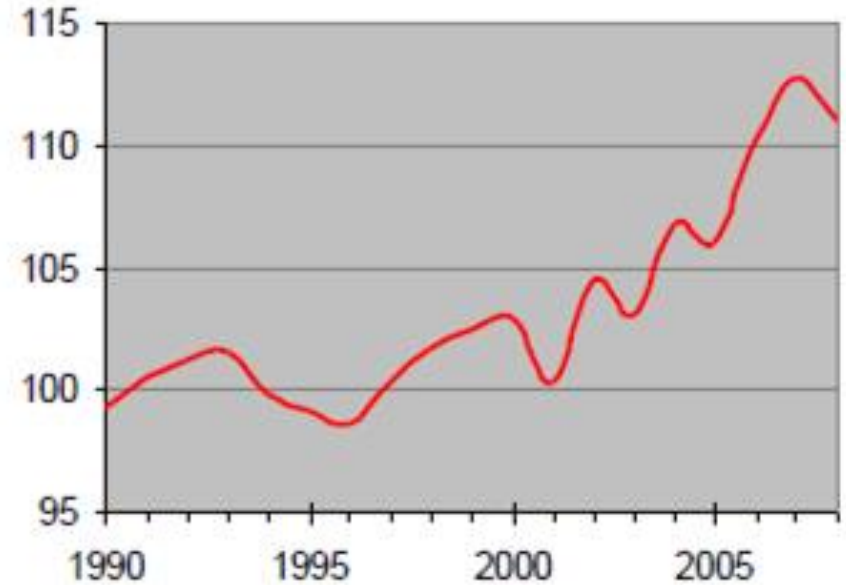
...



Misleading second chart?



This chart shows an overall trend of stability for about 10 years, followed by moderate growth.



By reducing the scale on the y-axis, you can highlight the changes. Small increases and decreases appear in the first 10 years and the growth at the end of the period seems more dramatic.

Things to consider



- are graphs self explanatory –or do you need to explain it to the reader
 - do you know who the reader is?
- are you writing for a report, a briefing to the Minister, a press release –these may require different styles

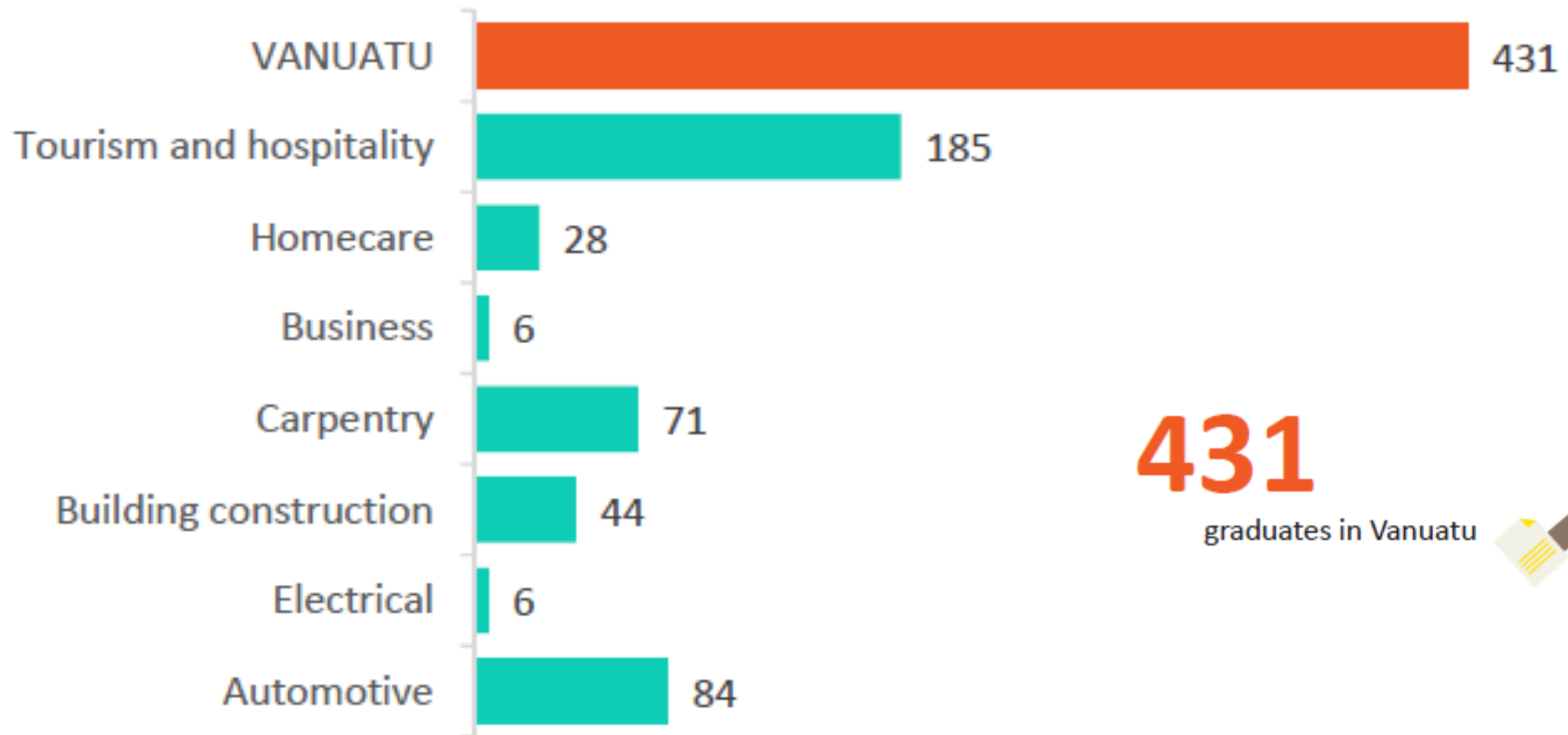
Annex 3: TEMIS survey response rate by island, 2015

ISLAND	ECCE	PRIMARY	SECONDARY
Nanumea	100%	100%	
Nanumaga	100%	100%	
Niutao	100%	100%	
Nui	100%	100%	
Vaitupu	100%	100%	100%
Nukufetau	100%	100%	
Funafuti	100%	100%	100%
Nukualaelae	100%	100%	
Niulakita	100%	100%	
Total	100%	100%	100%

Or could we just say: There was a 100% survey response for all schools

Exercise 1

Figure 22: Number of graduates by province and training fields, 2015



Write a few sentences describing this graph
(you can work in small groups or individually)

Exercise 2



School level		Province						Total
ECE	Language	Torba	Sanma	Penama	Malampa	Shefa	Tafea	Total
	Bislama	1	13	1	4	1	6	26
	English	14	91	40	59	64	72	340
	French	1	21	4	27	9	9	71
	Vernacular - not specified	13	21	37	9	36	23	139
	Total	29	146	82	99	110	110	576
Primary school	English	18	62	42	52	65	43	282
	French	8	32	22	34	21	34	151
	Total	26	94	64	86	86	77	433
Secondary school	Bilingual		1					1
	English	2	11	11	11	19	11	65
	French	2	4	3	9	6	6	30
	Total	4	16	14	20	25	17	96
Vanuatu total		59	256	160	205	221	204	1,105

Describe something from this table and report back to the group