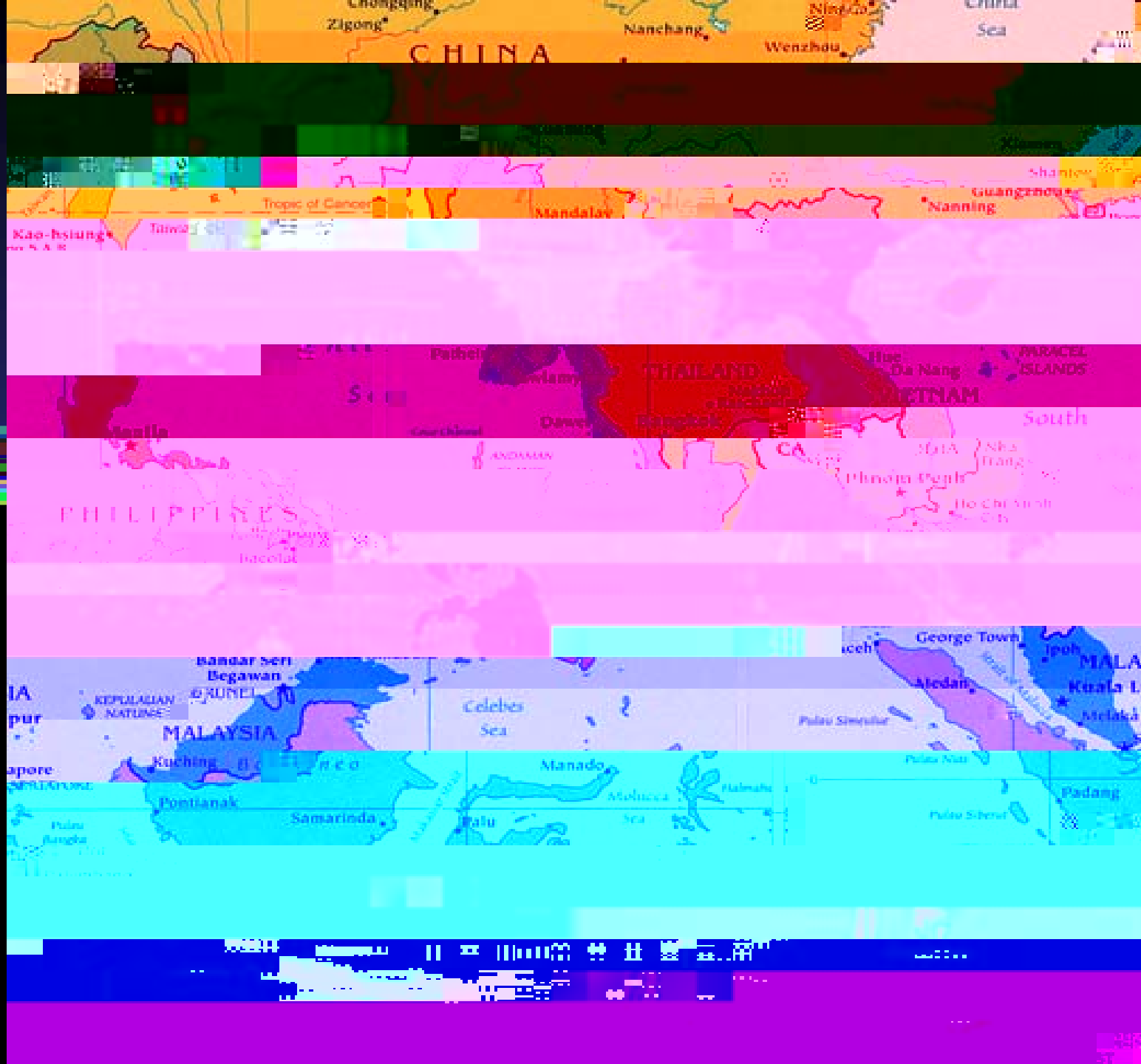
THE AUSTRALIAN NATIONAL UNIVERSITY

Millions of people in eleven sovereign nations



The Nature of SE Asia

Syncretism

- Waves of imported religions
- Divisions of successive colonial powers
- Webs of trade, migration and exchange of slaves/labour

Nationalism

- Defined by positive and negative identities
- Built in a cauldron of modernism
- Sometimes linked with Marxist ideologies
- Both repels and welcomes foreign influences

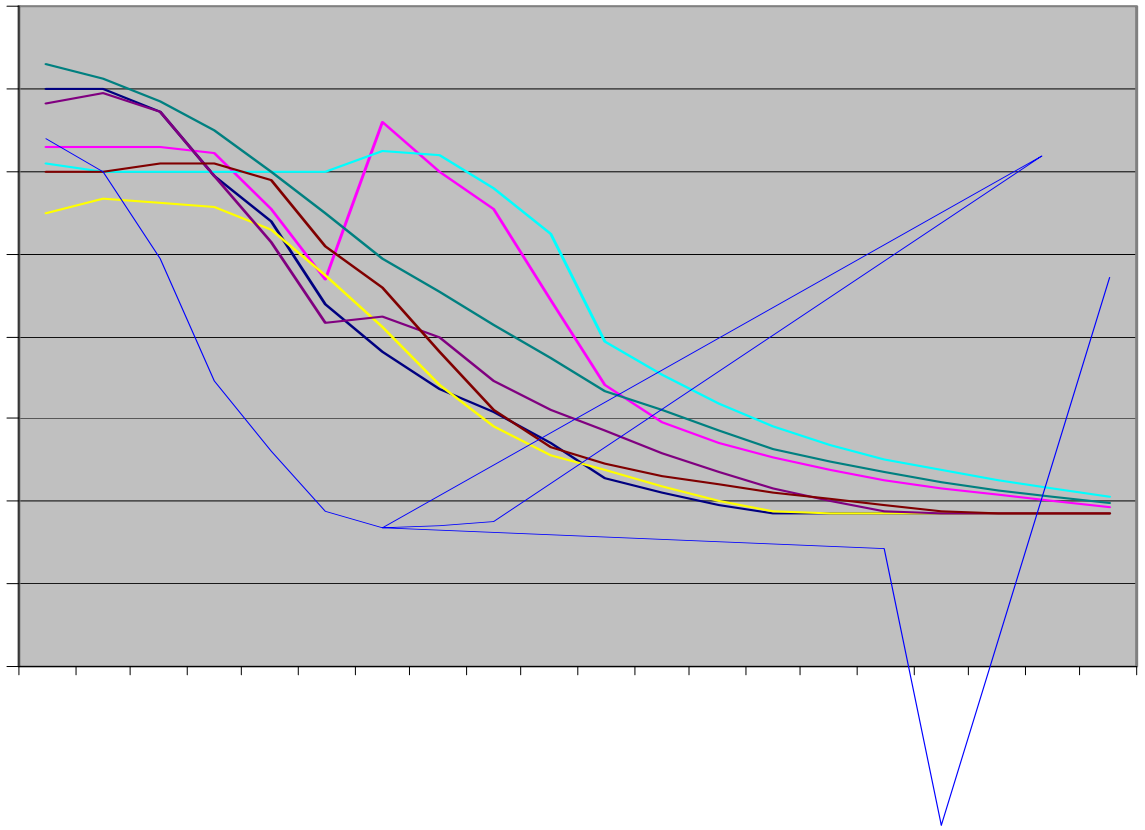
Population in S-E Asia

	Population (thousands)			
Country or area	*1950*	*2009*	*2009 per cent*	*2050*
Brunei Darussalam	**48**	**400**	***0***	**658**
Cambodia	**4 346**	**14 805**	***3***	**23 795**
Indonesia	**77 152**	**229 965**	***39***	**288 110**
Lao PDR	**1 666**	**6 320**	***1***	**10 744**
Malaysia	**6 110**	**27 468**	***5***	**39 664**
Myanmar	**17 158**	**50 020**	***9***	**63 373**
Philippines	**19 996**	**91 983**	***16***	**146 156**
Singapore	**1 022**	**4 737**	***1***	**5 221**

Consider the comparison Millions

Year	South-Eastern Asia	Europe
1950	182	547
2050	786	628

THE AUSTRALIAN NATIONAL UNIVERSITY



Sidetrack – Data problems in the analysis of Indonesian fertility

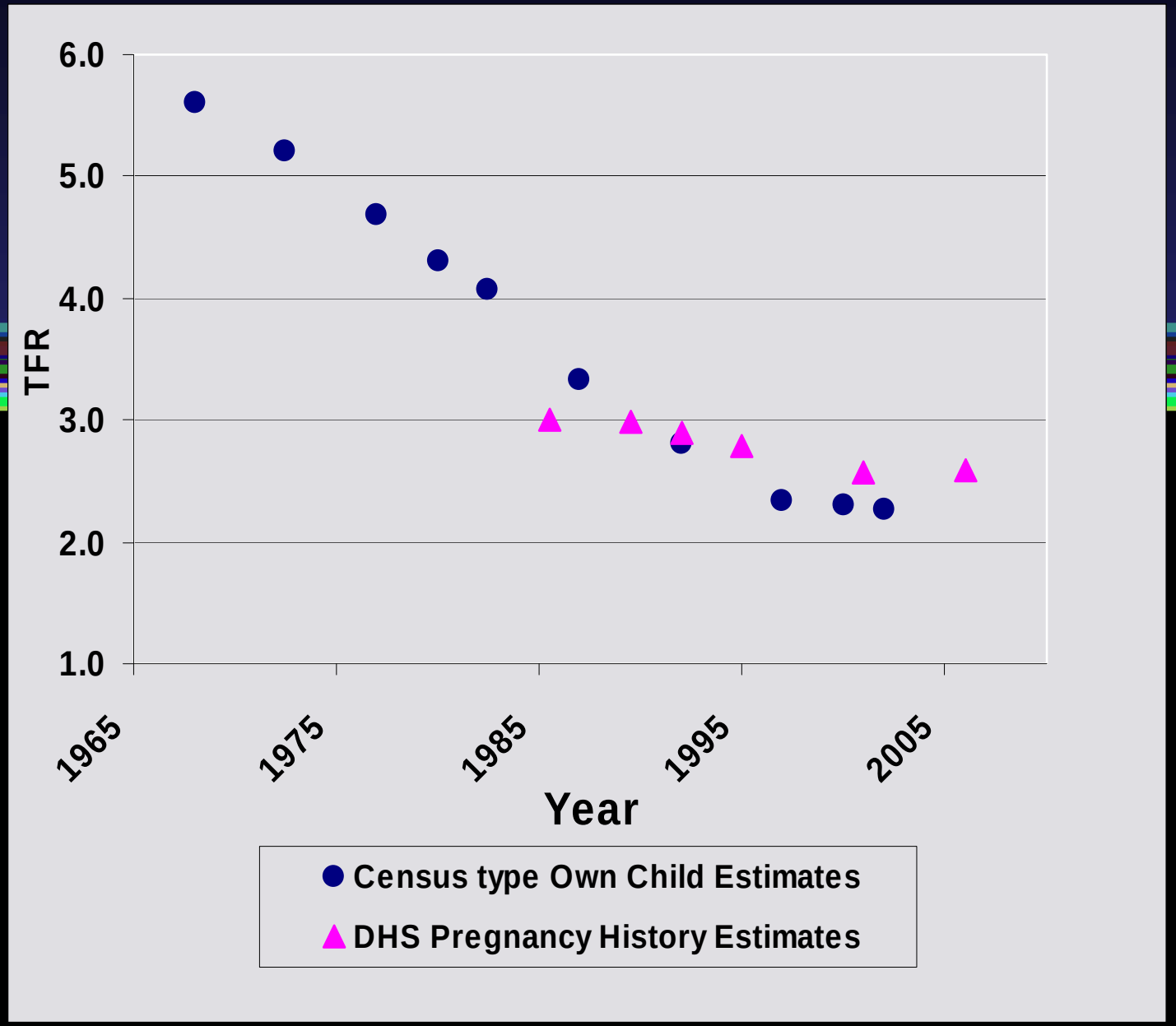
Reference: The discussion about China's fertility. Why would the government want to overstate fertility when it is working to reduce fertility?

Case: Indonesia has had a family planning program since 1968. Recently the target has been to reduce fertility to 2.1 by the year 2010.

Problem: Divergent data.

TFR estimates from DHS and Censuses

Why does the DHS appear to be flat when the census type surveys show steady decline?



Estimate of missing single women in DHS 2007

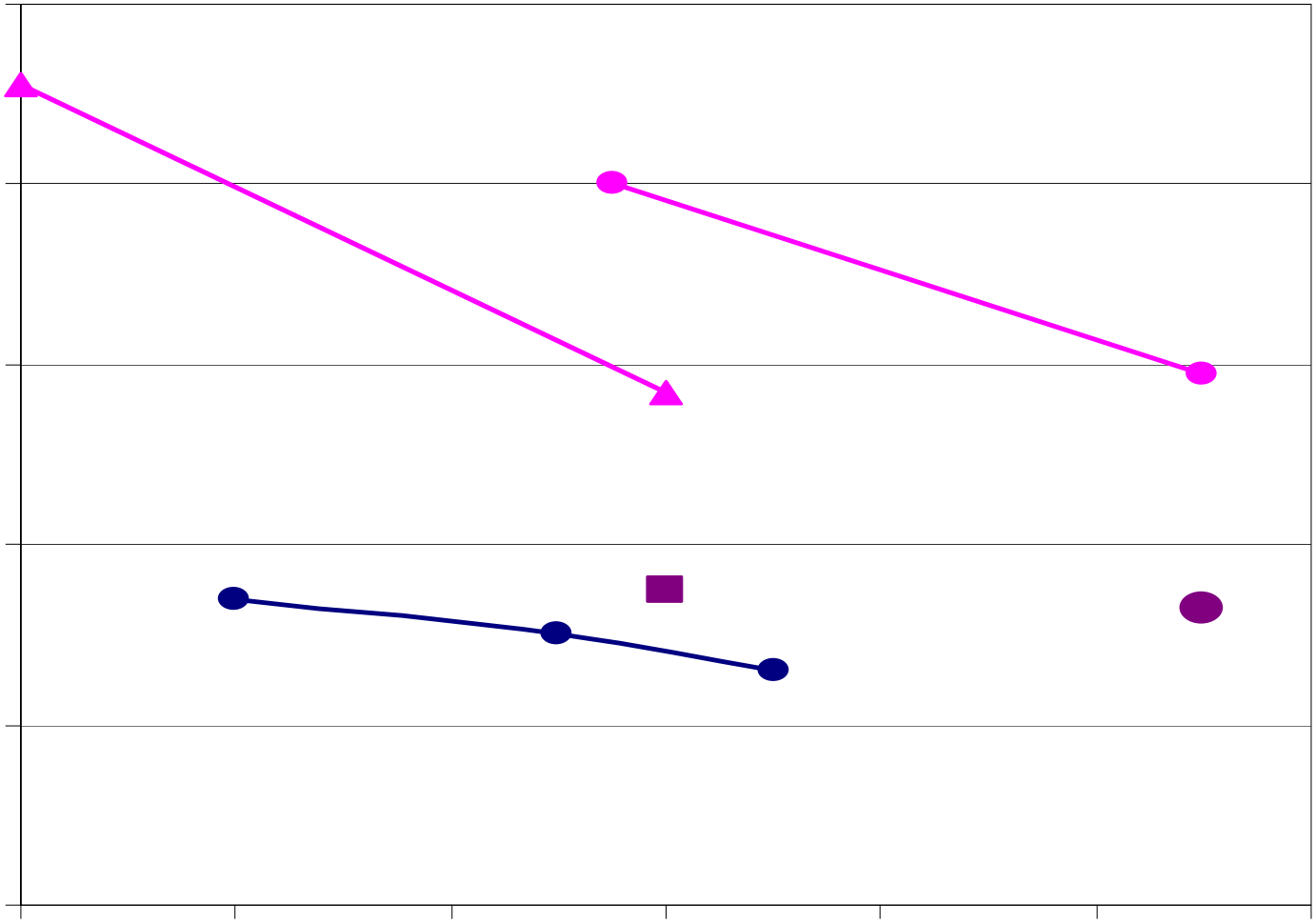
$$x = [(cs * Dw) - Ds]/(1-cs)$$

Age Groups	2007 DHS Women	2007 DHS Single	2007 DHS % Single	2005 SUPAS %Single	X =missing women	Adjusted total Women
	Dw	Ds	ds	cs	x	Dw'
15-19	6849	5949	0.8686	0.9080	**2936**	**9786**
20-24	7040	2693	0.3825	0.5142		**8948**
25-29	7156	1099	0.1535	0.1974	**391**	**7548**
30-34	6730	468	0.0695		8948	

6730

Adjustment of 2007 DHS ASFR and Total Fertility Rates --

Age of mothers	*'Current' Fertility estimate*	*Women recorded in DHS*	*Annual births*	*Women adjusted*	*Adjusted DHS Fertility*
15-19	51	6849	349	9786	36
20-24	135	7040	950	8948	106
25-29	134	7156	959	7548	127
30-34	108	6730	727	6814	107
35-39	65	6473	421	6518	65
40-44	19	5722	109	5720	19
45-49	6	5127	31	5132	6
Total		**45098**	**3546**	**50466**	
TFR	**2.59**				**2.33**



Government and donor interpretations of fertility trends

For three years the National Family Planning Program has used the raw DHS results to argue that there might be a ‘baby boom’ which could lead to a ‘population explosion’.

They resisted the adjustment

November 11, 2009. Bappenas and IPADI declared the adjustment to be ‘official’

Lesson: Motivations for selection of fertility estimates are sometimes very mixed.

Determinants of fertility

Proximate

- Marriage
- Contraception
- Abortion

Upstream

- Women's education
- Women's occupation
- Government policies for fertility control
- Advocacy for reproductive and sexual rights

Brunei Marital Status Indices

SMAM **Hutterite Marital Status Indices**

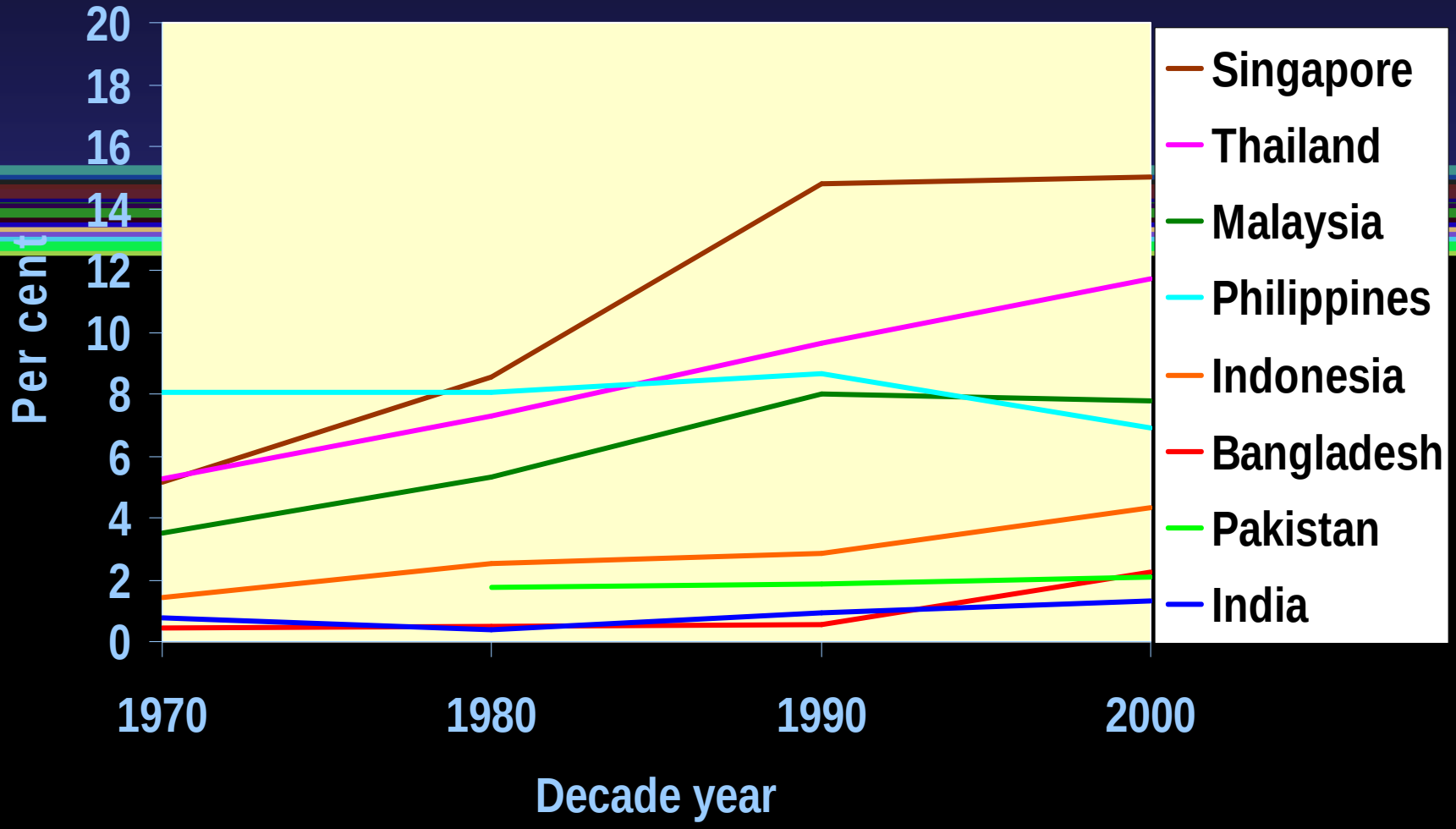
Female **Male** **Is** **Im** **Iw** **Id** **Ip**

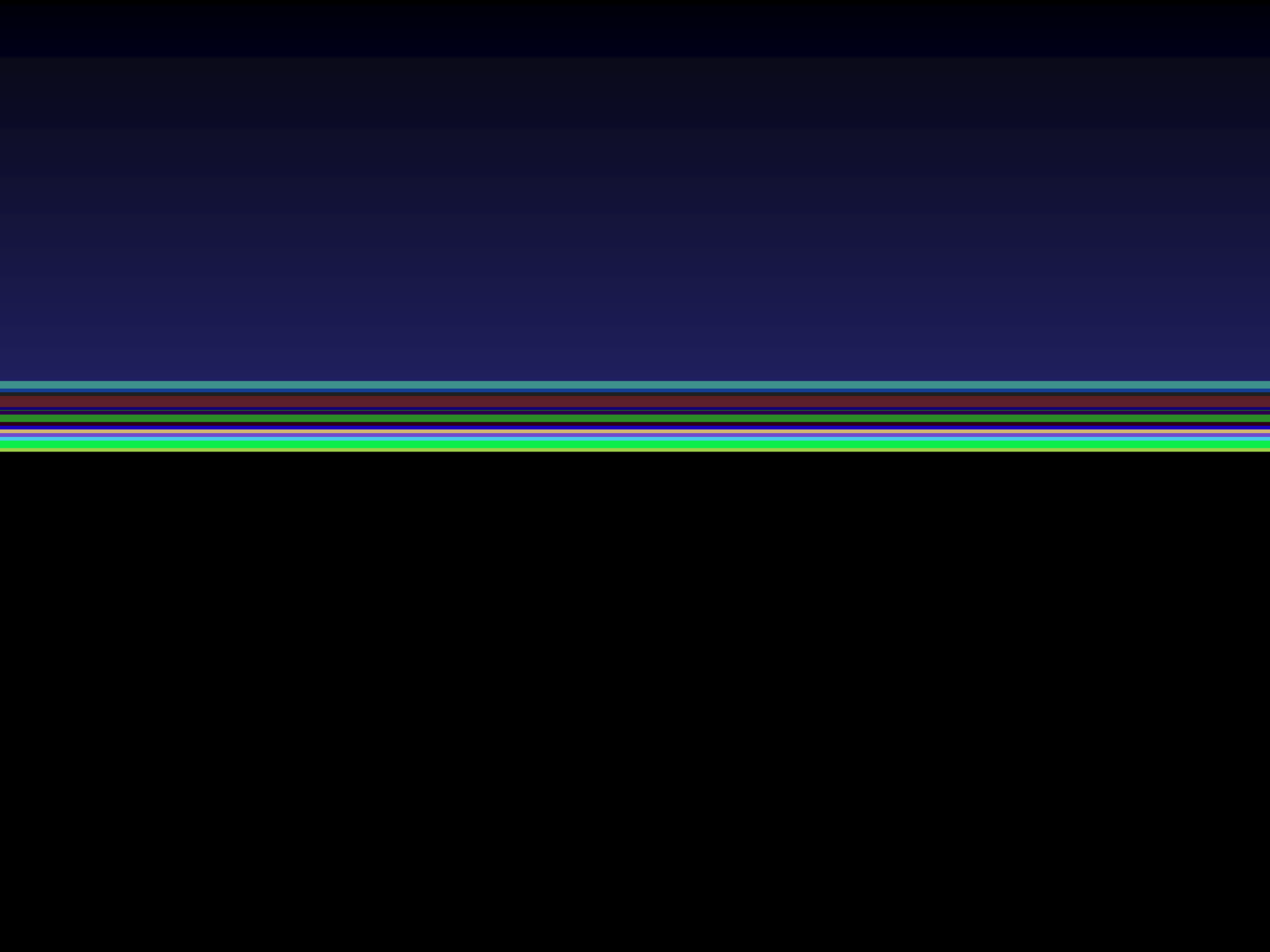
HMSI generalizations

- Singlehood rising everywhere
- Currently married falling
- Divorced rising in Vietnam, Cambodia, Philippines
- Divorced falling in Indonesia and Malaysia
- Widowhood falling everywhere

THE AUSTRALIAN NATIONAL UNIVERSITY

Never Married Persons, Age 35-39, Select Countries





THE AUSTRALIAN NATIONAL UNIVERSITY

	CPR	TUB	VAS	PIL	INJ	IMP	IUD	CND	RTH	WTD	OTM
Brunei	..	..	..	..	..	..	..	..	..	..	..
Cambodia	40.0	1.7	0.1	11.0	7.9	0.2	1.8	2.9	4.5	8,3	0,1
Indonesia	61.4	3.00.2	0.2	13.2	3.8	2.831.8			4 . 5		

Abortion Enigmas

Country	Abortion			Source
	Year	Rate	Ratio	
Brunei D.	..	..	..	..
Cambodia	2005	**20.2**	**21.6**	Fetters, 2009
Indonesia	2000	**37.0**	**43.0**	Utomo, 2001
Lao PDR	..	..	..	
Malaysia	..	..	..	
Myanmar	..	..	..	
Philippines	2000	**27.0**	**18.0**	Juarez, 2005
Singapore	2003	**15.0**	**16.0**	Sedgh, 2007
Thailand	1978	**27.7**	..	
Timor-L	..	..	..	
Viet Nam	2003	**26.0**	**33.0**	Sedgh, 2007
S-E Asia	2003	**39.0**	**45.0**	Sedgh, 2007

Discussion

Hutterite indices going in divergent directions

- What are the social determinants of marriage, contraception and abortion?

Regressions capture individual behaviour

- Minority social-political decisions in conflict with

THE AUSTRALIAN NATIONAL UNIVERSITY

Adjustment ASFR dan TFR dari SDKI 2002-03

Age of mothers	'Current' Fertility estimate	Women recorded in DHS	Annual births	Women adjusted	Adjusted DHS Fertility
15-19	51	6845	349	9138	38
20-24	131	6422	841	6965	121
25-29	143	6134	877	6519	135
30-34	99	5484	543	5910	92
35-39	66	5127	338	5376	63
40-44	19	4361	83	4719	18
45-49	4	3500	14	4169	3
Total		37873	3046	42796	
TFR	2.57				2.35

Estimate of missing single women in DHS 2002/3

$$x = [(cs * Dw) - Ds]/(1-cs)$$

Age Groups	2002/3 DHS Women Dw	2002/3 DHS Single	2002/3 DHS % Single	2002 SUSENAS %Single	X= missing single women	Adjusted total Women