Making Impact Evaluation Matter
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1-5 September 2014 , Asian Development Bank, Manila, Philippines

Awards and Rewards: Impact Evaluation of the Metrobank Foundation Award for Outstanding Teacher

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UNIVERSITY OF THE PHILIPPINES
SCHOOL OF ECONOMICS

Metrobank Foundation

Search for Outstanding Teachers (SOT)

About the Program

The Search for Outstanding Teachers represents the Foundation's commitment to promote a culture of excellence in education by recognizing the country's best mentors who can be upheld as models not only for educators but for other community members as well. More than 300 exemplary elementary, high school, and college teachers from all over the country have so far been awarded since its launching in 1985.

For more information about the search, please call 857-0618 and look for Allan A. Reyes

SOT
SEARCH FOR OUTSTANDING TEACHERS

Related News

40 Regional Finalists Named in this Year's Metrobank Foundation Search for Outstanding Teachers

The Search for Everyday Heroes in Education Continues

Downloads

2014 SOT Basic Information Sheet

SOT Souvenir Program

SOT 2014 Poster

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What is the impact of the Outstanding Teacher Award on the recipient's income?

Objectives:

- **To investigate the impact of the award on teacher's income (pecuniary and non-pecuniary)**
- **To examine whether the impact extends to the school and to the immediate community in general**

Related studies

- Deuchert, E., Adjamah, K. Pauly, F., (2005), "For Oscar glory or Oscar money?", *Journal of Cultural Economics*, 29, 159-176.

- Elliott, C. and Simmons, R. (2008), "Determinants of UK Box Office Success. The Impact of Quality Signals", *Review of Industrial Organization*, 33, 93-111.

- Friberg, R., and Gronqvist, E. (2012). "Do Expert Reviews Affect the Demand for Wine?" *American Economic Journal: Applied Economics*, 4(1), 193-211.

- Ginsburgh, V. and van Ours, J. (2003), "Expert Opinion and Compensation. Evidence from a Musical Competition.", *American Economic Review*, 93 (1), 289-96.

- Ginsburgh, V., (2003) "Awards, Success and Aesthetic Quality in the Arts", *Journal of Economic Perspectives,* 17 (2), 99-111.

Selection process of the Foundation gives a perfect sample for using quasi-experimental technique of RDD.
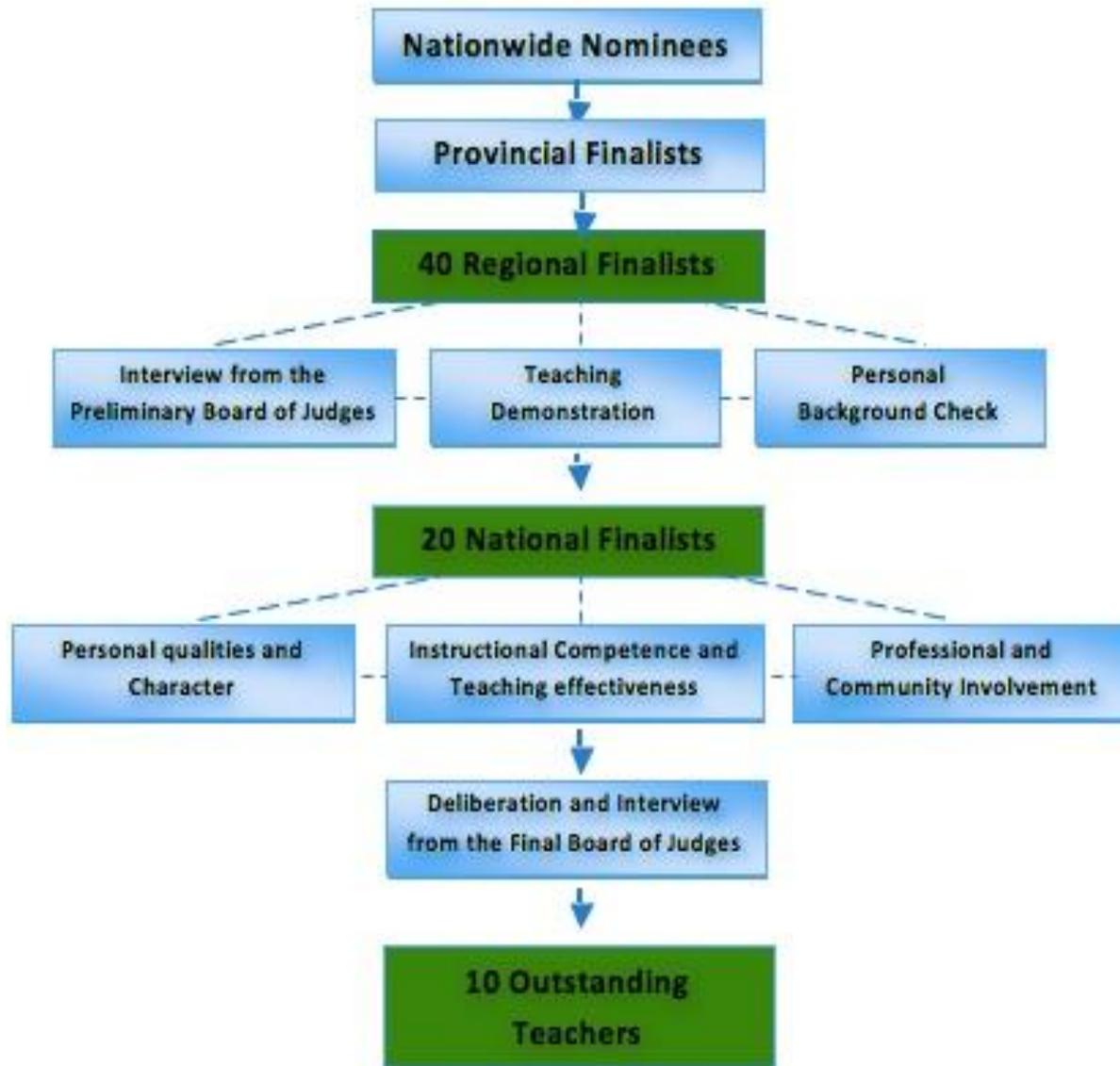
Score Sheet

2013 SOT
SEARCH FOR OUTSTANDING TEACHERS

FINAL JUDGING
July 18, 2013
Penthouse, Metrobank Plaza

RATING SHEET

NATIONAL FINALIST: **Mrs. Mary Jean L. Siapno**   CODE: **SL02**

CRITERIA	SCORE
I. Values (especially love of country and pride as a Filipino) (Maximum of 20 points)	
II. General awareness of socio-economic and political issues (Maximum of 20 points)	
III. General attitude towards the profession, students, peers and school administrators (Maximum of 15 points)	
IV. Civic and community involvement (Maximum of 15 points)	
V. Personal discipline and personal / family life (Maximum of 10 points)	
VI. Specialization and/or Major Subject Taught (Maximum of 10 points)	
VII. Communication Skills and Personality (Maximum of 10 points) • Clarity of expression, coherence of ideas, facility in the English language, relevance of response • Personal appearance, poise, composure, sincerity, maturity, alertness	
TOTAL SCORE (100%)	

RATING GUIDE

Max. Score = 20

Outstanding = 19 - 20
Very Good = 17 - 18
Good = 15 - 16

Max. Score = 15

Outstanding = 15
Very Good = 13 - 14
Good = 12

Max. Score = 10

Outstanding = 10
Very Good = 8 - 9
Good = 7

HON. JOSE MA. CLEMENTE SALCEDA
Printed Name and Signature

Date

C:\SOT 2013\Final Judging\Rating Sheet.doc
Prepared by: Metrobank Foundation Secretariat

Methodology

## Regression Discontinuity Design (RDD)

- quasi-experimental technique where the conferment of the award is based on an observed score.

- **Individuals "just around" the cut-off score presumably hold similar characteristics.**

- **The individuals that are "just around" the cut-off score are the 20 national finalists.**
  - **Anyone of them can be a winner except that there are only 10 awards to be given.**
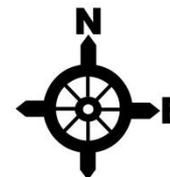
Sample Selection

- **National finalists and their respective school heads from the years 1988-2010.**

- **Target respondents**
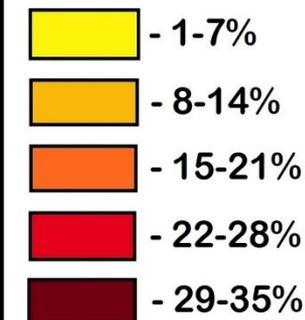 - **Teachers: _____380_____**
  - **School heads: ____283____**
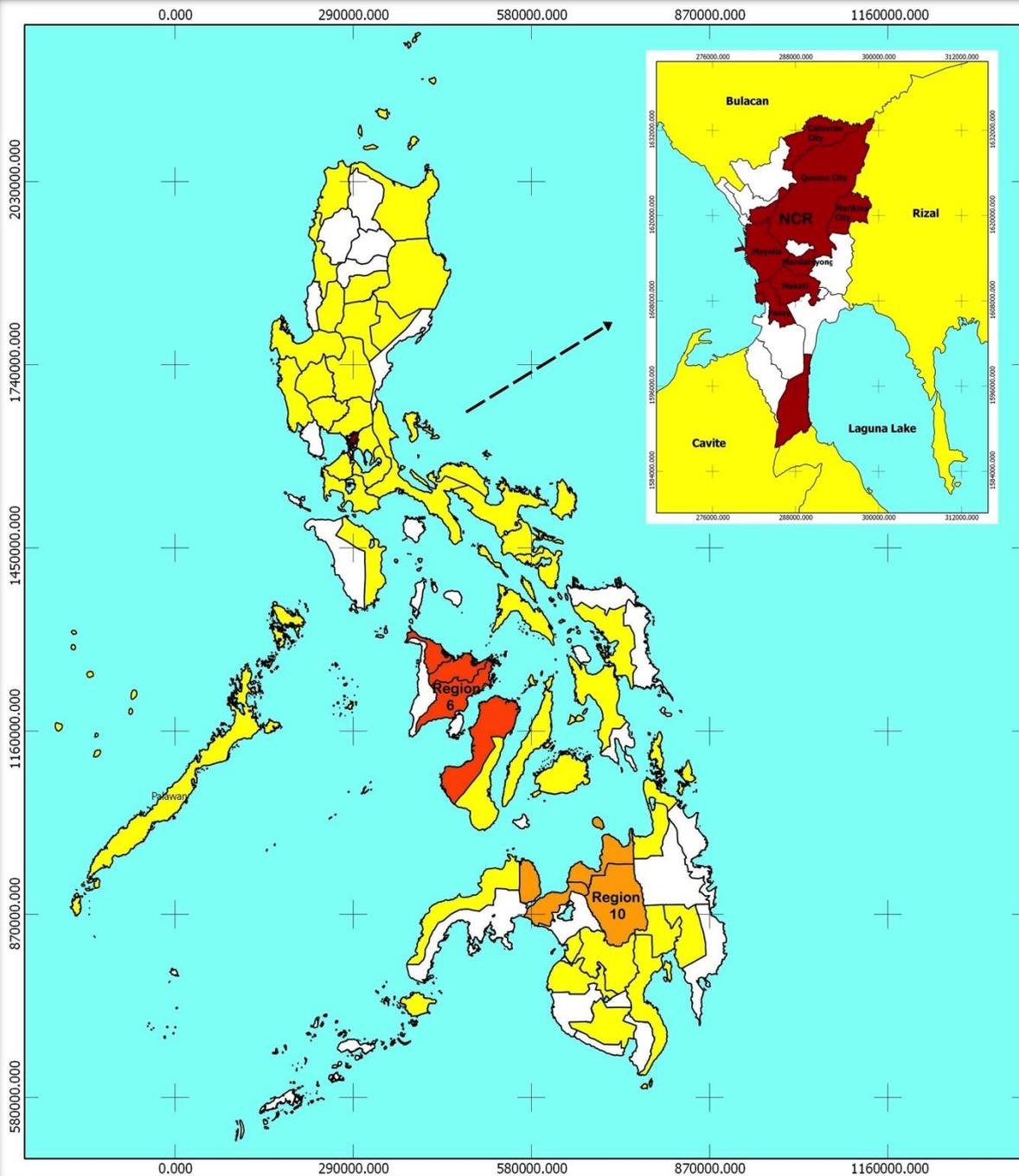
LOCATION MAP

Impact Evaluation of the Metrobank Foundation Award for Outstanding Teacher

Legend

Number of respondents per region

- 1-7%
- 8-14%
- 15-21%
- 22-28%
- 29-35%

Projection: UTM Zone 51 N
Datum: WGS 84
Prepared by: MRConcepcion
Note: Political/Administrative boundaries are approximate and not Authoritative and are subject to further research and validation

SURVEY COVER MAP

Impact Evaluation of the Metrobank Foundation Award for Outstanding Teacher

Legend

Response Rate of the Respondents

- Very Low (0-20%)
- Low (21-40%)
- Moderate (41-60%)
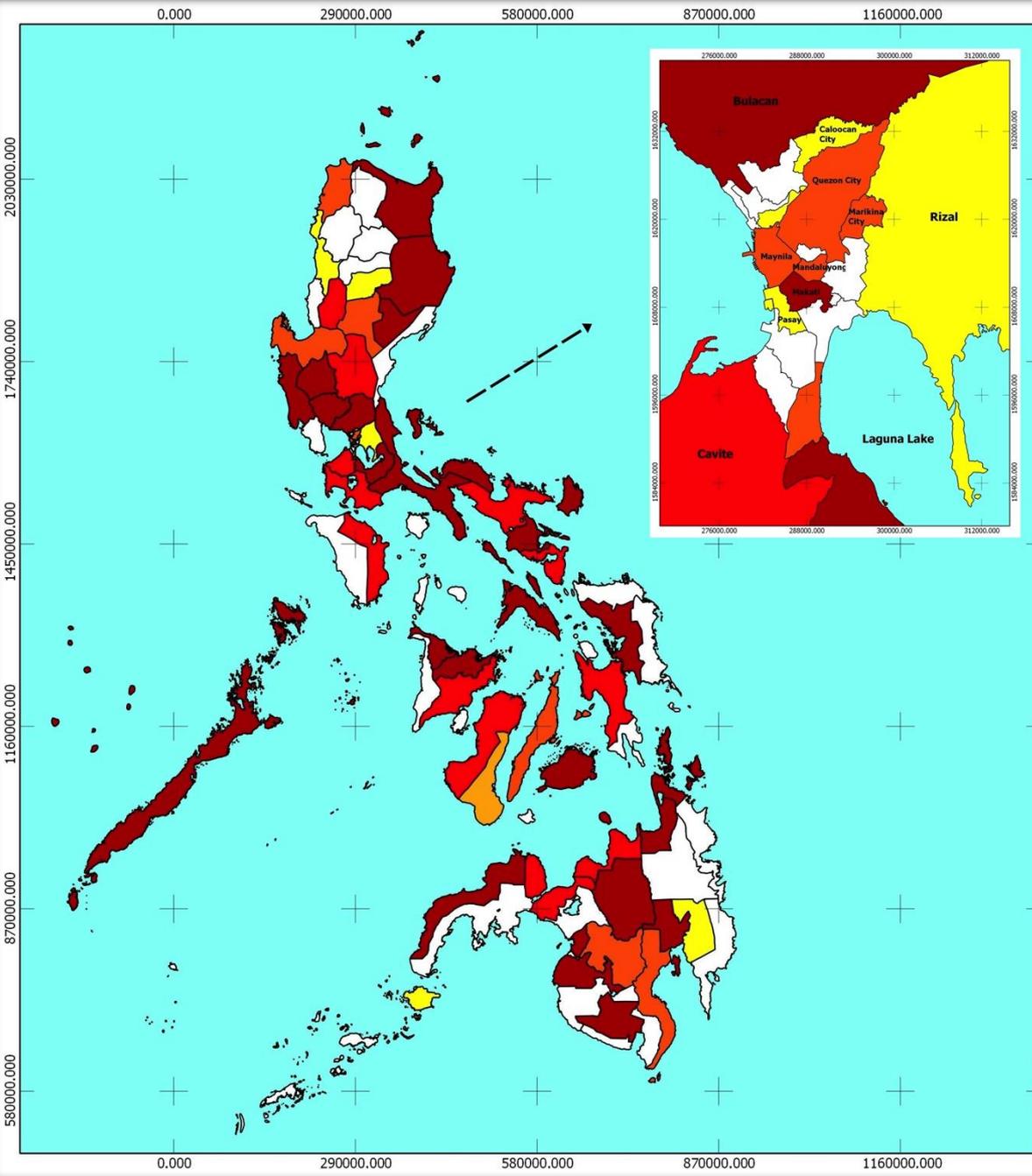- High (61-80%)
- Very High (81-100%)

Projection: UTM Zone 51 N
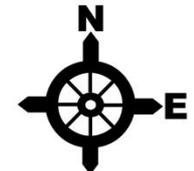**Datum:** WGS 84
Prepared by: MRConcepcion
Note: Political/Administrative boundaries are approximate and not Authoritative and are subject to further research and validation

Response rate

Teacher	Category of Award		Total
	Winner	**Finalist**	
Total number of target respondents for Teacher	244 *(100.00)*	136 *(100.00)*	380 *(100.00)*
Interviewed	172 *(70.49)*	90 *(66.18)*	262 *(68.95)*
Refused to be interviewed	3 *(1.23)*	8 *(5.88)*	11 *(2.89)*
Currently in abroad (no more leads)	23 *(9.43)*	10 *(7.35)*	33 *(8.68)*
No lead at all	8 *(3.28)*	11 *(8.09)*	19 *(5.00)*
Still pursuing	38 *(15.57)*	17 *(12.50)*	55 *(14.47)*

School Head	Frequency	Percent
Total number of target respondents for School Head	283	*100.00*
Interviewed	206	*72.79*
Still pursuing	77	*27.21*

No significant difference between finalists and winners across all samples.

Average Growth in Income of Teachers since joining the SOT

Group	Obs.	Mean	SE	Diff	SE (Diff)	t-stat	p-value
Finalists	81	0.700	0.066	0.101	0.093	1.080	0.141
Winners	159	0.800	0.057				

Not So Fast!

Significant difference (20%) between finalists and winners among the active teachers in the sample.

Average Growth in Income of Active Teachers since joining the SOT

Group	Obs.	Mean	SE	Diff	SE (Diff)	t-stat	p-value
Finalists	50	0.700	0.081	0.212	0.126	1.687	0.047
Winners	90	0.912	0.082				

Average age of winners (still active or in service) – at most 50 years old.

Regression Result
Dependent Variable: Growth of Income of Active Teachers

Variable	estimated coeff.	std. error	t-stat	p-value
Teacher Type (Winner=1)	0.212	0.126	1.690	0.094
Constant	0.700	0.100	6.950	0.000

No significant difference between finalists and winners among the retired teachers.

Average Growth in Income of Retired Teachers since joining the SOT

Group	Obs	Mean	SE	Diff	SE (Diff)	t-stat	p-value
Finalists	31	0.700	0.116	0.025	0.133	0.188	0.575
Winners	69	0.674	0.072				

Average age of W and F during the time of awarding – at most 55 yrs old.
About 25% of this group are 60-65 years old during the time of the award.

Based on your overall assessment, what are the effects or contributions (direct or indirect) of your SOT application on you as a whole?

- "It improved my economic status. Ginamit ko na puhunan ang prize money from the Metrobank Foundation Outstanding Teachers Award."

- "It made me believed that I can do something more, doon ko nakita na may magagawa pala ako, a group look up to me on what I do. I always give way before sa mga bata but it really made me believed in myself despite of giving my time to children. It also became a challenge and inspiration, yon mismong process. Good tribute din siya to the retirees."

- "Winning Metrobank Outstanding Teacher is life changing. It brought significant personal development. It really made difference to my family, community, and professional growth. Where I am now, that is because of Metrobank."
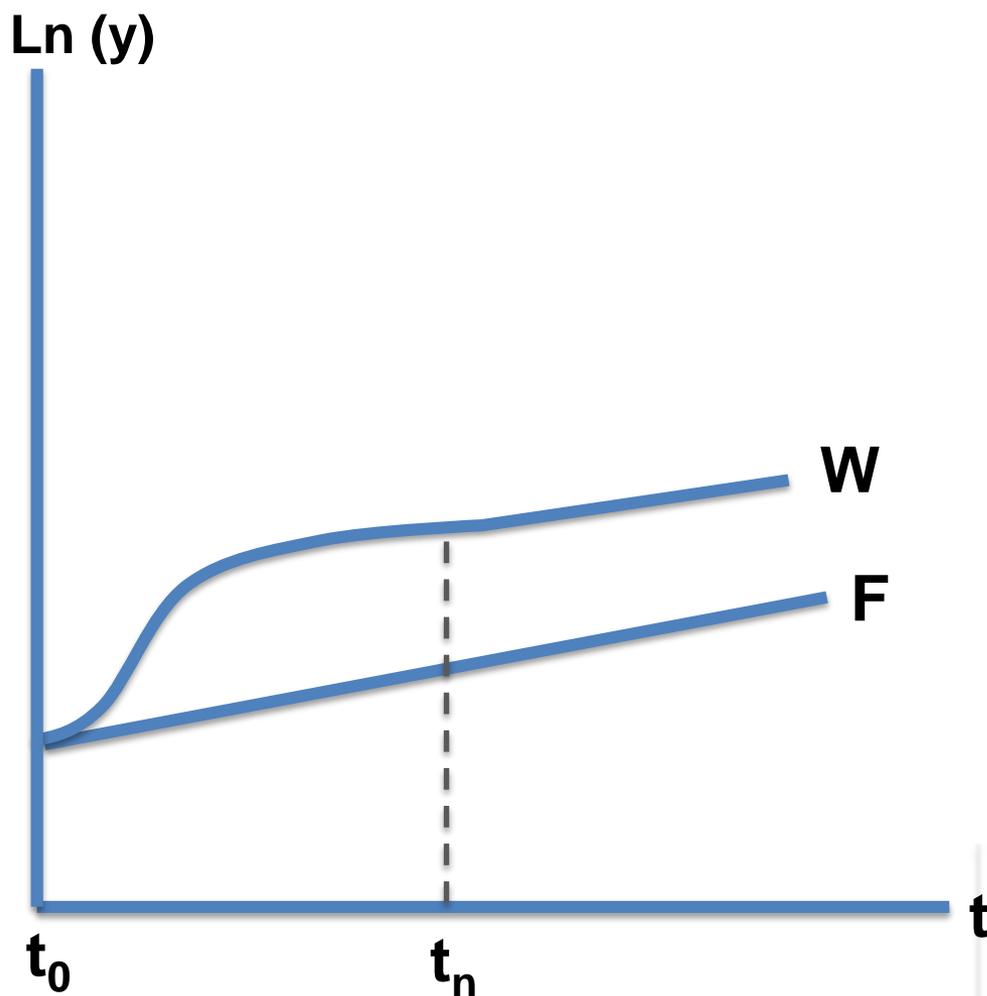
Preliminary observations

- **The marginal benefit of the award decreases over time.**

- **Age cut-off might be warranted for the award to have a maximum impact on the teacher.**

Further direction

Ln (y)

W

F

t

t_0

t_n

- **May be consistent with the theory of informational cascades by Bikhchandani, S., Hirshleifer, D. and Welch, I. (1992) in JPE.**

- **Award as signaling device (theory of signaling by Spence 1973,74, 75 and Stiglitz 1975)**

Salamat po!

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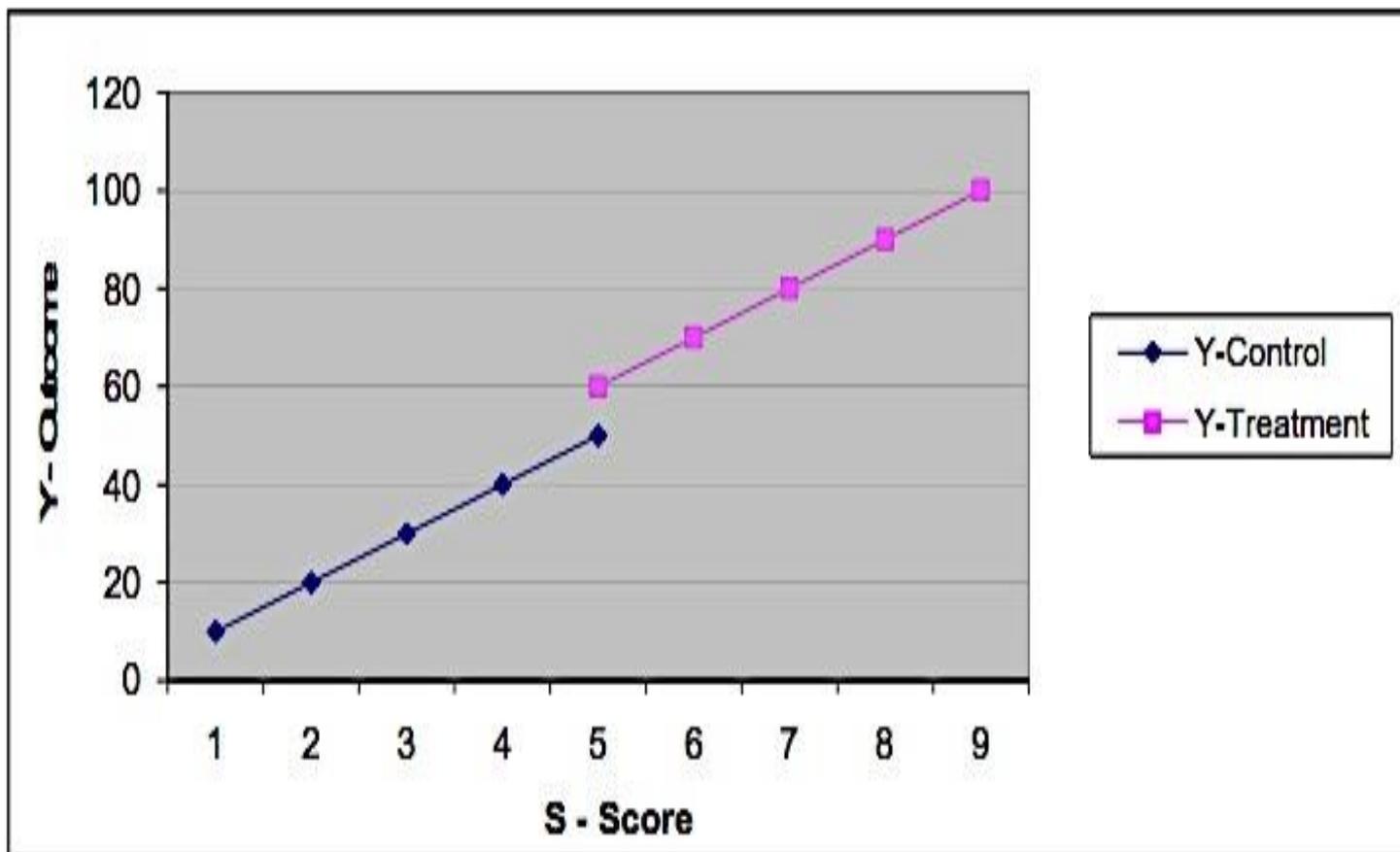SCHOOL OF ECONOMICS

RDD

1) $Y = \alpha + \beta S + \varepsilon$

1) $Y_i = \alpha + \beta_0 T_i + \beta_i S_i + \varepsilon_i$

2) $T_i = 1 \text{ if } S_i \geq 0$
   $= 0 \text{ if } S_i < 0$

- Y – income
- S – cut-off score
- α and β – reg. coef.
- ε - error term.
- T_i - treatment indicator (winner or finalist)

RDD

Old Response rate

Teacher	Category of Award		Total
	Winner	Finalist	
Total number of target respondents for Teacher	249 *(100.00)*	152 *(100.00)*	401 *(100.00)*
Interviewed	172 *(69.08)*	90 *(59.21)*	262 *(65.34)*
Deceased	5 *(2.01)*	16 *(10.53)*	21 *(5.24)*
Refused to be interviewed	3 *(1.20)*	8 *(5.26)*	11 *(2.74)*
Currently in abroad	23 *(9.24)*	10 *(6.58)*	33 *(8.23)*
No lead (as of the moment)	8 *(3.21)*	11 *(7.24)*	19 *(4.74)*
Still pursuing	38 *(15.26)*	17 *(11.18)*	55 *(13.72)*

School Head	Frequency	Percent
Total number of target respondents for School Head	283	*100.00*
Interviewed	206	*72.79*
Still pursuing	77	*27.21*

Response Rate of Teachers by Region

Region	Total Number of Target Respondents	Interviewed	Currently in Abroad (no more leads)	No lead at All	Refused to be interviewed	Still Pursuing
PHILIPPINES	380	262	33	19	11	55
(percent)	(100.00)	(68.95)	(8.68)	(5.00)	(2.89)	(14.47)
CAR	8 (2.11)	5 (1.91)	1 (3.03)	0 (0.00)	0 (0.00)	2 (3.64)
REGION I	13 (3.42)	7 (2.67)	5 (15.15)	1 (5.26)	0 (0.00)	0 (0.00)
REGION II	14 (3.68)	13 (4.96)	1 (3.03)	0 (0.00)	0 (0.00)	0 (0.00)
REGION III	10 (2.63)	9 (3.44)	1 (3.03)	0 (0.00)	0 (0.00)	0 (0.00)
REGION IV-A	24 (6.32)	18 (6.87)	3 (9.09)	2 (10.53)	0 (0.00)	1 (1.82)
REGION IV-B	4 (1.05)	3 (1.15)	0 (0.00)	1 (5.26)	0 (0.00)	0 (0.00)
NCR	120 (31.58)	64 (24.43)	7 (21.21)	5 (26.32)	5 (45.45)	39 (70.91)
REGION V	25 (6.58)	21 (8.02)	3 (9.09)	1 (5.26)	0 (0.00)	0 (0.00)
REGION VI	60 (15.79)	46 (17.56)	3 (9.09)	7 (36.84)	0 (0.00)	4 (7.27)
REGION VII	15 (3.95)	8 (3.05)	4 (12.12)	0 (0.00)	0 (0.00)	3 (5.45)
REGION VIII	13 (3.42)	11 (4.20)	0 (0.00)	0 (0.00)	0 (0.00)	2 (3.64)
REGION IX	9 (2.37)	7 (2.67)	2 (6.06)	0 (0.00)	0 (0.00)	0 (0.00)
REGION X	31 (8.16)	23 (8.78)	1 (3.03)	0 (0.00)	4 (36.36)	3 (5.45)
REGION XI	8 (2.11)	7 (2.67)	0 (0.00)	1 (5.26)	0 (0.00)	0 (0.00)
REGION XII	16 (4.21)	11 (4.20)	2 (6.06)	1 (5.26)	2 (18.18)	0 (0.00)
CARAGA	8 (2.11)	8 (3.05)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
ARMM	2 (0.53)	1 (0.38)	0 (0.00)	0 (0.00)	0 (0.00)	1 (1.82)

Response Rate of School Heads by Region

Region	Number of Target Respondents	Interviewed	Still Pursuing
PHILIPPINES	283	206	77
(percent)	(100.00)	(100.00)	(100.00)
CAR	4 (1.41)	2 (0.97)	2 (2.60)
REGION I	10 (3.53)	9 (4.37)	1 (1.30)
REGION II	13 (4.59)	10 (4.85)	3 (3.90)
REGION III	9 (3.18)	7 (3.40)	2 (2.60)
REGION IV-A	19 (6.71)	15 (7.28)	4 (5.19)
REGION IV-B	3 (1.06)	2 (0.97)	1 (1.30)
NCR	75 (26.50)	41 (19.90)	34 (44.16)
REGION V	19 (6.71)	19 (9.22)	0 0.00
REGION VI	40 (14.13)	35 (16.99)	5 (6.49)
REGION VII	16 (5.65)	15 (7.28)	1 (1.30)
REGION VIII	12 (4.24)	12 (5.83)	0 0.00
REGION IX	8 (2.83)	5 (2.43)	3 (3.90)
REGION X	25 (8.83)	9 (4.37)	16 (20.78)
REGION XI	9 (3.18)	9 (4.37)	0 0.00
REGION XII	13 (4.59)	9 (4.37)	4 (5.19)
CARAGA	7 (2.47)	7 (3.40)	0 0.00
ARMM	1 (0.35)	0 0.00	1 (1.30)