

## Accuracy Results for 31 Poverty Assessment Tools

The IRIS Center

June 28, 2011

### 1. Background

This note summarizes accuracy results achieved by 32 country poverty assessment tools in identifying households living in extreme poverty. The accuracy of each tool is measured by comparing the poverty status predicted by the tool with the “true” poverty status as established by the benchmark household consumption or income data used to construct the tool. To increase the tool’s degree of accuracy, eight estimation methods are used to identify the 15 best poverty indicators. The final set of indicators and their weights depend on selecting one of the eight estimation methods as the best model. Selection of the best model is based on the Balance Poverty Accuracy Criterion (BPAC) and the Poverty Incidence Error (PIE), along with practicality considerations.<sup>1</sup> For some tools, the most accurate method, on the basis of BPAC, is the 2-step Quantile regression. However, the 1-step Quantile regression is only slightly less accurate and requires only 15 indicators. Following precedent from previous decisions made in consultation with USAID, the 1-step Quantile was selected as the best model, taking into consideration both accuracy and practicality.

Section 2 summarizes the accuracy results achieved by each of the estimation methods. The best estimation method – balancing both accuracy and practicality – for each tool is in bold. In each table, the legislative poverty line for the country is noted next to its name and the extreme poverty rate it implies is listed under the country’s name. The legislative poverty line for USAID tool development is the poverty line that yields the higher household poverty rate for a given country. Each household whose estimated per capita consumption expenditures according to the tool is less than or equal to legislative poverty line is identified as “the very poor,” and each household whose estimated per capita consumption expenditures exceeds the legislative poverty line is identified as “the not very-poor.”

For 19 of the 32 countries, the poverty line used to construct the poverty assessment tool is the “median poverty line” – the level of monthly expenditure that divides the poorest half of those living below the national poverty line from the less-poor half of the officially poor. For 9 of the 32 countries, the poverty line used is the international poverty line of \$1.25 per day per capita in 2005 Purchasing Power Parity (PPP) terms. The tools for two countries, Bangladesh and Uganda, have been updated to accompany a recalculated international poverty line of \$1.25 per day per capita to reflect new, improved estimates of PPP by the World Bank. For 4 of the 32 countries, the poverty line used is the international poverty line of \$1.08 per day per capita in 1993 Purchasing Power Parity (PPP) terms.

---

<sup>1</sup> For a detailed discussion of these accuracy criteria, see “Note on Assessment and Improvement of Tool Accuracy” at [www.povertytools.org](http://www.povertytools.org).

## 2. Accuracy Results for Prediction at the Legislative Poverty Line

<b>Albania</b> (Median line*) Share of "Very Poor": 10.4%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	90.85	13.42	86.58	10.88	-7.11	-62.28
Quantile regression (estimation point: 31)	<b>89.85</b>	<b>45.32</b>	<b>54.68</b>	<b>53.45</b>	<b>-0.12</b>	<b>44.08</b>
Linear Probability	90.64	1.19	98.81	0.92	-9.19	-96.70
Probit	91.11	21.37	78.63	16.08	-5.87	-41.18
<b>Two-step methods</b>						
OLS – 19 percentile cutoff	91.71	29.80	70.19	18.14	-4.89	-22.25
Quantile (estim. points: 31, 6) 19 percentile cutoff	89.73	46.51	53.50	55.94	0.23	44.06
LP – 23 percentile cutoff	92.21	34.20	65.79	17.19	-4.56	-14.39
Probit – 23 percentile cutoff	91.55	30.99	69.01	21.05	-4.50	-16.97
*The median poverty line is 4,024 Leke per capita per month in September 2002 prices. This poverty line is based on the official national poverty line of 4,891 Leke per capita per month in September 2002 prices.						

<b>Azerbaijan</b> (Median line*) Share of "Very Poor": 20.5%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	79.79	17.91	82.09	16.32	-13.51	-47.85
Quantile regression (estimation point: 35)	<b>76.05</b>	<b>41.65</b>	<b>58.35</b>	<b>58.31</b>	<b>-0.00</b>	<b>41.61</b>
Linear Probability	79.83	4.07	95.93	2.31	-19.22	-89.55
Probit	80.16	10.91	89.09	7.52	-16.75	-70.66
<b>Two-step methods</b>						
OLS – 33 percentile cutoff	80.85	21.03	78.97	14.27	-13.29	-43.68
Quantile (estim. points: 35, 11) 33 percentile cutoff	76.49	44.07	55.93	58.58	0.55	41.42
LP – 33 percentile cutoff	81.16	21.55	78.45	13.30	-13.38	-43.60
Probit – 33 percentile cutoff	80.87	21.18	78.82	14.33	-13.24	-43.31
*The median poverty line is 149,349 Manat per capita per month in 2006 prices. This poverty line is based on the official national poverty line of 192,981 Manat per capita per month in 2006 prices.						

<b>Bangladesh</b> (\$1.25/day line at 2005 PPP*) Share of “Very Poor”: 49.1%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	<b>77.22</b>	<b>77.30</b>	<b>22.70</b>	<b>23.72</b>	<b>0.50</b>	<b>76.28</b>
Quantile regression (estimation point: 54)	77.10	77.30	22.70	23.98	0.62	76.02
Linear Probability	79.47	84.18	15.82	26.02	5.01	73.98
Probit	79.85	82.65	17.35	23.72	3.13	76.28
<b>Two-step methods</b>						
OLS – 60 percentile cutoff	79.72	80.10	19.90	21.43	0.75	78.57
Quantile (estim. points: 54, 32) 60 percentile cutoff	78.97	79.34	20.66	22.19	0.75	77.80
LP – 48 percentile cutoff	81.73	82.14	17.86	19.39	0.75	80.61
Probit – 48 percentile cutoff	80.35	78.57	21.43	18.62	-1.38	75.77
*The \$1.25 per day per capita international poverty line in 2005 Purchasing Power Parity terms is 29.22 Taka per day per capita in April 2004 prices.						

<b>Bolivia</b> (Median line*) Share of “Very Poor”: 24.2%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	84.36	58.51	41.49	21.66	-4.91	38.68
Quantile regression (estimation point: 42)	<b>83.69</b>	<b>67.23</b>	<b>32.77</b>	<b>33.09</b>	<b>0.08</b>	<b>66.91</b>
Linear Probability	83.62	49.77	50.23	15.92	-8.50	15.46
Probit	84.68	57.75	42.25	19.61	-5.61	35.12
<b>Two-step methods</b>						
OLS – 46 percentile cutoff	84.61	60.26	39.74	22.41	-4.29	42.93
Quantile (estim. points: 42, 19) 46 percentile cutoff	84.04	68.00	32.00	32.51	0.13	67.49
LP – 50 percentile cutoff	85.13	63.02	36.98	23.07	-3.44	49.12
Probit – 50 percentile cutoff	84.53	57.19	42.81	19.64	-5.74	34.03
*The median poverty line varies by department and, for El Alto only, by city. It ranges range from 149 Bolivianos in rural areas to 374 Bolivianos in Pando, in average 2005 prices. They are based on official national poverty lines that range from 282 Bolivianos to 389 Bolivianos in average 2005 prices.						

<b>Bosnia and Herzegovina</b> (Median line*) Share of “Very Poor”: 7.0%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	92.08	16.54	83.46	21.59	-4.66	-45.32
Quantile regression (estimation point: 34)	<b>90.91</b>	<b>38.76</b>	<b>61.24</b>	<b>60.89</b>	<b>-0.03</b>	<b>38.42</b>
Linear Probability	92.55	1.11	98.89	0.00	-7.45	-97.78
Probit	93.19	23.17	76.83	13.52	-4.77	-40.15
<b>Two-step methods</b>						
OLS – 20 percentile cutoff	93.58	32.22	67.78	17.39	-3.79	-18.16
Quantile (estim. points: 34, 7) 20 percentile cutoff	91.51	46.45	53.55	60.55	0.52	39.45
LP – 24 percentile cutoff	94.57	40.03	59.97	12.09	-3.61	-7.85
Probit – 24 percentile cutoff	94.30	39.21	60.79	14.82	-3.46	-6.75
*The median poverty line is 1,830 Marka per capita per year in January 2005 prices. This poverty line is based on the official national poverty line of 2,223 Marka per capita per year in January 2005 prices.						

<b>Cambodia</b> (\$1.25/day line at 2005 PPP*) Share of “Very Poor”: 35.2%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	76.44	58.23	41.77	24.57	-6.11	41.03
Quantile regression (estimation point: 46)	<b>76.54</b>	<b>66.75</b>	<b>33.25</b>	<b>32.81</b>	<b>-0.16</b>	<b>66.31</b>
Linear Probability	76.65	60.85	39.15	26.59	-4.46	48.28
Probit	76.45	60.60	39.40	26.91	-4.43	48.11
<b>Two-step methods</b>						
OLS – 48 percentile cutoff	77.36	62.19	37.81	25.95	-4.21	50.33
Quantile (estim. points: 46, 22) 48 percentile cutoff	77.13	68.27	31.73	32.65	0.33	67.34
LP – 45 percentile cutoff	77.12	67.73	32.27	32.14	-0.05	67.59
Probit – 45 percentile cutoff	77.01	65.82	34.18	30.56	-1.29	62.21
*The \$1.25 per day per capita international poverty line in 2005 Purchasing Power Parity terms is 1,899 Riel per day per capita in average 2004 prices.						

<b>Colombia (Median line*)</b> <b>Share of “Very Poor”:</b> 25.7%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	79.82	52.05	47.95	30.67	-4.44	34.76
Quantile regression (estimation point: 39)	<b>78.87</b>	<b>59.41</b>	<b>40.59</b>	<b>41.63</b>	<b>0.27</b>	<b>58.37</b>
Linear Probability	82.26	49.49	50.51	18.59	-8.19	17.57
Probit	82.47	52.59	47.41	20.86	-6.82	26.05
<b>Two-step methods</b>						
OLS – 48 percentile cutoff	80.23	53.75	46.25	30.77	-3.97	38.26
Quantile (estim. points: 39, 19) 48 percentile cutoff	79.60	60.05	39.95	39.43	-0.13	59.54
LP – 37 percentile cutoff	83.58	61.27	38.73	25.24	-3.46	47.78
Probit – 37 percentile cutoff	83.34	61.09	38.91	25.96	-3.33	48.14
The median poverty line varies by area. It ranges from 75,533 pesos per capita per month to 65,416 pesos per capita per month in average 2007 prices. They are based on official national poverty lines that range from 92,298 pesos per capita per month to 202,131 pesos per capita per month in average 2007 prices.						

<b>Ecuador (Median line*)</b> <b>Share of “Very Poor”:</b> 14.8%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	89.35	53.12	46.88	25.26	-3.19	31.50
Quantile regression (estimation point: 39 percentile)	<b>88.55</b>	<b>61.89</b>	<b>38.11</b>	<b>39.47</b>	<b>0.20</b>	<b>60.53</b>
Linear Probability	89.33	38.95	61.05	11.22	-7.35	-10.88
Probit	89.99	49.81	50.19	17.60	-4.81	17.23
<b>Two-step methods</b>						
OLS – 99 percentile cutoff	89.33	53.13	46.87	25.45	-3.16	31.71
Quantile (estim. points: 39, 39) 99 percentile cutoff	88.69	61.47	38.53	38.12	-0.06	61.05
LP – 24 percentile cutoff	90.26	53.48	46.52	19.47	-3.99	26.42
Probit – 24 percentile cutoff	89.97	52.65	47.35	20.58	-3.95	25.87
*The median poverty line is US\$ 1.32 per capita per day in 2006 prices. This median poverty line is based on the official national poverty line of US\$ 1.89 per capita per day.						

<b>El Salvador (Median line*)</b> <b>Share of “Very Poor”:</b> 20.2%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	82.30	36.49	63.51	26.12	-7.38	-0.89
Quantile regression (estimation point: 38 percentile)	<b>81.10</b>	<b>52.84</b>	<b>47.16</b>	<b>46.83</b>	<b>-0.07</b>	<b>52.51</b>
Linear Probability	82.46	25.40	74.60	14.22	-11.92	-34.97
Probit	82.59	33.37	66.63	21.52	-8.91	-11.74
<b>Two-step methods</b>						
OLS –39 percentile cutoff	82.96	38.50	61.50	24.78	-7.25	1.78
Quantile (estim. points: 38, 15) 39 percentile cutoff	81.70	54.11	45.90	45.08	-0.16	53.29
LP – 41 percentile cutoff	82.77	34.12	65.88	21.39	-8.79	-10.37
Probit – 41 percentile cutoff	82.91	33.95	66.05	20.46	-9.00	-11.63
*The median poverty line is US\$ 1.97 per capita per day in 2008 prices in urban areas and US\$ 1.17 in rural areas. This poverty line is based on the national poverty line of US\$ 2.94 per capita per day in 2008 prices in urban areas and US\$ 1.91 in rural areas.						

<b>Ethiopia (\$1.25/day line at 2005 PPP*)</b> <b>Share of “Very Poor”:</b> 31.5%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	75.20	49.01	50.99	28.57	-6.99	26.58
Quantile regression (estimation point: 45 percentile)	<b>75.04</b>	<b>60.38</b>	<b>39.62</b>	<b>40.47</b>	<b>0.26</b>	<b>59.53</b>
Linear Probability	74.68	43.04	56.96	24.29	-10.18	10.36
Probit	75.23	47.81	52.19	27.29	-7.76	22.91
<b>Two-step methods</b>						
OLS – 48 percentile cutoff	75.14	49.75	50.25	29.53	-6.46	29.03
Quantile (estim. points: 45, 22) 48 percentile cutoff	75.20	61.48	38.52	41.04	0.79	58.96
LP – 42 percentile cutoff	75.71	53.73	46.27	31.67	-4.55	39.14
Probit – 42 percentile cutoff	75.88	53.47	46.53	30.86	-4.89	37.79
*The \$1.25 per day per capita international poverty line in 2005 Purchasing Power Parity is 3.44 Birr per day per capita in 2005 prices.						

<b>Ghana</b> (\$1.25/day line at 2005 PPP*) Share of “Very Poor”: 18.9%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	86.09	52.08	47.92	26.50	-4.00	30.66
Quantile regression (estimation point: 41 percentile)	<b>85.66</b>	<b>62.02</b>	<b>37.98</b>	<b>38.72</b>	<b>0.14</b>	<b>61.28</b>
Linear Probability	86.50	39.80	60.20	12.02	-9.01	-8.37
Probit	86.93	50.76	49.24	20.67	-5.34	22.19
<b>Two-step methods</b>						
OLS – 27 percentile cutoff	86.93	56.09	43.91	26.01	-3.35	38.19
Quantile (estim. points: 42, 11) 27 percentile cutoff	86.45	64.38	35.62	36.88	0.24	63.12
LP –29 percentile cutoff	87.56	56.91	43.09	23.47	-3.67	37.29
Probit – 29 percentile cutoff	87.27	54.04	45.96	22.16	-4.45	30.24
*The \$1.25 per day per capita international poverty line in 2005 Purchasing Power Parity is 516.77 Cedis per day per capita in 2005 prices.						

<b>Guatemala</b> (Median line*) Share of “Very Poor”: 23.0%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	87.02	68.47	31.53	25.03	-1.49	61.98
Quantile regression (estimation point: 44)	86.44	70.17	29.83	29.23	-0.14	69.56
Linear Probability	87.10	64.04	35.96	20.25	-3.60	48.34
Probit	87.99	70.33	29.67	22.62	-1.62	63.28
<b>Two-step methods</b>						
OLS – 40 percentile cutoff	88.03	72.66	27.35	24.79	-0.59	70.09
Quantile (estimation points: 44, 18) 40 percentile cutoff	87.96	74.25	25.75	26.72	0.22	73.28
LP – 35 percentile cutoff	<b>88.39</b>	<b>74.70</b>	<b>25.29</b>	<b>25.27</b>	<b>-0.01</b>	<b>74.67</b>
Probit – 35 percentile cutoff	88.21	73.81	26.19	25.19	-0.23	72.79
*The median poverty line is 2680 Quetzals per capita per month in November 2000 prices. This poverty line is based on the official national poverty line of 4,319 Quetzals per capita per month in November 2000 prices.						

<b>India</b> (\$1.08/day line at 1993 PPP*) Share of “Very Poor”: 77.9%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	83.63	94.39	5.60	15.24	7.57	84.76
Quantile regression (estimation point: 66)	<b>83.98</b>	<b>89.77</b>	<b>10.23</b>	<b>10.16</b>	<b>-0.06</b>	<b>89.69</b>
Linear Probability	83.83	95.94	4.06	16.52	9.79	83.48
Probit	84.44	94.69	5.311	14.50	7.22	85.50
<b>Two-step methods</b>						
OLS – 78 percentile cutoff	84.18	93.28	6.72	13.43	5.27	86.57
Quantile (estim. points: 66, 51) 78 percentile cutoff	84.23	89.29	10.71	9.36	-1.06	87.93
LP – 78 percentile cutoff	85.01	94.96	5.04	14.04	7.07	85.96
Probit – 78 percentile cutoff	85.43	92.51	7.49	11.05	2.79	88.95
*The \$1.08 per day per capita international line in 1993 Purchasing Power Parity terms is equivalent to 10.38 Rupees per day per capita in April 1998 prices.						

<b>Indonesia</b> (Median line*) Share of “Very Poor”: 7.7%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	92.31	10.58	89.42	9.86	-6.17	-68.98
Quantile regression (estimation point: 27)	<b>90.28</b>	<b>36.16</b>	<b>63.84</b>	<b>61.62</b>	<b>-0.17</b>	<b>33.94</b>
Linear Probability	92.28	0.30	99.69	0.08	-7.72	-99.32
Probit	92.50	11.10	88.89	7.83	-6.28	-69.97
<b>Two-step methods</b>						
OLS – 88 percentile cutoff	92.36	10.36	89.64	8.95	-6.25	-70.32
Quantile (estim. points: 27, 24) 88 percentile cutoff	90.15	36.31	63.69	63.38	-0.02	36.00
LP – 27 percentile cutoff	92.69	13.13	86.87	7.51	-6.15	-66.22
Probit – 27 percentile cutoff	92.67	13.23	86.77	7.85	-6.12	-65.69
*The median poverty line is 82,474 Rupiah per capita per month in rural areas and 110,365 Rupiah for urban areas in April 2002 prices. This poverty line is based on the official national poverty line of 96,512 Rupiah in rural areas and 130,499 Rupiah in urban areas in April 2002 prices.						



<b>Jamaica</b> (Median line*) Share of “Very Poor”: 8.0%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	92.66	31.54	68.46	28.73	-3.00	-8.19
Quantile regression (estimation point: 32)	91.23	44.65	55.35	60.78	0.41	39.22
Linear Probability	92.67	2.95	97.05	0	-7.33	-94.09
Probit	93.79	26.29	73.71	8.53	-4.92	-38.89
<b>Two-step methods</b>						
OLS – 24 percentile cutoff	93.97	40.07	59.93	19.89	-3.02	0.038
Quantile (estim. points: 32, 8) 24 percentile cutoff	<b>92.55</b>	<b>49.61</b>	<b>50.39</b>	<b>48.26</b>	<b>-0.16</b>	<b>47.48</b>
LP – 23 percentile cutoff	94.36	38.33	61.67	12.98	-3.68	-10.37
Probit – 23 percentile cutoff	94.19	36.78	63.22	13.64	-3.75	-12.80
*The median poverty line is 24,888 Jamaican Dollars per capita per year in August 2000 prices. This poverty line is based on the official national poverty line of 31,414 Jamaican Dollars per capita per year in August 2000 prices.						

<b>Kazakhstan</b> (Median line*) Share of “Very Poor”: 4.5%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	95.47	5.41	94.59	5.41	-4.04	-83.78
Quantile regression (estimation point: 21)	94.00	37.84	62.16	70.27	0.37	29.73
Linear Probability	95.59	5.41	94.59	2.70	-4.16	-86.49
Probit	96.33	32.43	67.57	13.51	-2.45	-21.62
<b>Two-step methods</b>						
OLS – 20 percentile cutoff	96.57	37.84	62.16	13.51	-2.20	-10.81
Quantile (estim. points: 21, 4) 20 percentile cutoff	<b>94.61</b>	<b>43.24</b>	<b>56.76</b>	<b>62.16</b>	<b>0.24</b>	<b>37.84</b>
LP – 24 percentile cutoff	98.04	59.46	40.54	2.70	-1.71	21.62
Probit – 24 percentile cutoff	97.92	59.46	40.54	5.41	-1.59	24.32
*The median poverty line varies by oblast, ranging from 44,368 to 67,412 Tenge per adult equivalent per year in November 2004 prices. This poverty line is based on the official oblast poverty lines of 61,362 to 78,164 Tenge per adult equivalent per year in November 2004 prices.						

<b>Kenya</b> (\$1.25/day line at 2005 PPP*) Share of “Very Poor”: 36.3%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	79.31	70.57	29.43	27.97	-0.53	69.12
Quantile regression (estimation point: 49 percentile)	<b>79.41</b>	<b>71.35</b>	<b>28.65</b>	<b>28.49</b>	<b>-0.06</b>	<b>71.19</b>
Linear Probability	79.73	70.36	29.64	26.59	-1.10	67.31
Probit	79.80	69.84	30.16	25.89	-1.54	65.57
<b>Two-step methods</b>						
OLS – 67 percentile cutoff	80.26	72.85	27.15	27.61	0.17	72.39
Quantile (estim. points: 49, 33) 67 percentile cutoff	80.06	72.67	27.33	27.98	0.23	72.02
LP – 57 percentile cutoff	80.47	72.77	27.23	26.95	-0.10	72.48
Probit –57 percentile cutoff	80.25	71.68	28.32	26.47	-0.66	69.84
*The \$1.25 per day per capita international line in 2005 Purchasing Power Parity terms is 43.46 Kenyan Shillings per day per capita.						

<b>Kosovo</b> (Median line*) Share of “Very Poor”: 24.6%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	80.11	43.54	56.46	22.76	-8.46	9.84
Quantile regression (estimation point: 43)	<b>79.24</b>	<b>59.42</b>	<b>40.58</b>	<b>42.57</b>	<b>0.49</b>	<b>57.43</b>
Linear Probability	80.59	42.86	57.14	20.17	-9.28	5.89
Probit	80.78	47.20	52.79	23.77	-7.29	18.17
<b>Two-step methods</b>						
OLS – 43 percentile cutoff	79.84	51.21	48.79	31.53	-4.33	33.94
Quantile (estim. points: 43, 18) 43 percentile cutoff	80.36	60.45	39.55	39.11	-0.11	60.01
LP – 43 percentile cutoff	81.59	54.95	45.05	28.29	-4.21	38.19
Probit – 43 percentile cutoff	81.61	54.69	45.31	27.94	-4.36	37.33
* The median poverty line is 75 German Marks per adult equivalent per month in 2000 prices. This poverty line is based on the official national poverty line of 107 German Marks per adult equivalent per month in 2000 prices.						

<b>Liberia</b> (\$1.25/day line at 2005 PPP*) Share of “Very Poor”: 52.2%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	81.89	88.94	11.06	23.83	6.63	76.17
Quantile regression (estimation point: 56 percentile)	<b>84.82</b>	<b>85.75</b>	<b>14.25</b>	<b>14.99</b>	<b>0.38</b>	<b>85.01</b>
Linear Probability	82.78	86.73	13.27	19.90	3.44	80.10
Probit	83.16	85.75	14.25	18.18	2.04	81.82
<b>Two-step methods</b>						
OLS – 56 percentile cutoff	82.27	85.50	14.50	19.66	2.68	80.34
Quantile (estim. points: 56, 31) 56 percentile cutoff	83.55	84.28	15.72	15.97	0.13	84.03
LP – 56 percentile cutoff	84.06	85.01	14.99	15.73	0.38	84.27
Probit – 56 percentile cutoff	84.69	83.05	16.96	12.54	-2.30	78.62
* The \$1.25 per day per capita international poverty line in 2005 Purchasing Power Parity is 57.56 Liberian dollars per day per capita in 2008 prices.						

<b>Madagascar</b> (\$1.08/day line at 1993 PPP*) Share of “Very Poor”: 35.2%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	79.82	81.52	18.48	22.92	2.17	77.08
Quantile regression (estimation point: 53)	79.93	79.44	20.56	20.59	0.02	79.41
Linear Probability	80.87	84.47	15.53	23.71	3.99	76.29
Probit	80.82	82.45	17.55	21.79	2.07	78.21
<b>Two-step methods</b>						
OLS – 51 percentile cutoff	80.26	80.19	19.81	20.69	0.43	79.31
Quantile (estim. points: 53, 27) 51 percentile cutoff	80.58	80.19	19.81	20.01	0.09	79.99
LP – 47 percentile cutoff	<b>81.29</b>	<b>80.73</b>	<b>19.27</b>	<b>19.10</b>	<b>-0.08</b>	<b>80.57</b>
Probit – 47 percentile cutoff	81.16	78.35	21.65	16.99	-2.27	73.70
The \$1.08 per day per capita international poverty line in 1993 Purchasing Power Parity terms is 1970.05 Malagasy francs per day per capita in November 2001 prices.						

<b>Malawi</b> (\$1.25/day line at 2005 PPP*) Share of “Very Poor”: 64.8%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	81.90	88.97	11.03	16.79	3.75	83.20
Quantile regression (estimation point: 57)	<b>81.30</b>	<b>85.58</b>	<b>14.42</b>	<b>14.33</b>	<b>-0.06</b>	<b>85.50</b>
Linear Probability	82.48	91.82	8.18	18.76	6.88	81.24
Probit	82.61	90.09	9.91	16.82	4.49	83.18
<b>Two-step methods</b>						
OLS – 65 percentile cutoff	81.89	87.32	12.68	15.18	1.62	84.82
Quantile (estim. points: 57, 37) 65 percentile cutoff	81.28	85.55	14.45	14.33	-0.08	85.43
LP – 88 percentile cutoff	82.43	90.76	9.24	17.78	5.55	82.22
Probit – 88 percentile cutoff	82.22	89.93	10.07	17.27	4.69	82.73
* The \$1.25/day international poverty line in 2005 PPP terms is 62.75 Malawi Kwacha per day per capita in March 2004 prices.						

<b>Mexico</b> (Median Line*) Share of “Very Poor”: 20.1%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	83.28	40.46	59.54	23.27	-7.32	4.19
Quantile regression (estimation point: 37 percentile)	<b>81.76</b>	<b>55.19</b>	<b>44.81</b>	<b>45.51</b>	<b>0.14</b>	<b>54.49</b>
Linear Probability	83.15	27.85	72.15	11.32	-12.28	-32.98
Probit	83.72	37.97	62.03	18.61	-8.77	-5.45
<b>Two-step methods</b>						
OLS –99 percentile cutoff	83.28	40.48	59.52	23.31	-7.31	4.26
Quantile (estim. points: 37 ,37) 99 percentile cutoff	81.90	54.78	45.22	44.43	-0.16	53.99
LP – 37 percentile cutoff	83.95	41.76	58.24	21.26	-7.47	4.78
Probit –37 percentile cutoff	84.02	40.87	59.13	20.02	-7.90	1.76
* The median poverty line is 1286.381 pesos per capita per month in 2008 prices for urban areas and 715.8926 pesos per capita per month in 2008 prices for rural areas. This poverty line is based on the official national poverty line of 1,164.41 pesos per capita per month for urban areas and 835.52pesos per capita per month for rural areas in 2008 prices.						

<b>Nepal</b> (\$1.25/day line at 2005 PPP*) Share of “Very Poor”: 52.6%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	81.67	84.58	15.42	19.78	2.27	80.22
Quantile regression (estimation point: 56)	<b>81.74</b>	<b>82.50</b>	<b>17.50</b>	<b>17.57</b>	<b>0.04</b>	<b>82.43</b>
Linear Probability	82.11	87.23	12.77	21.59	4.59	78.41
Probit	81.96	85.10	14.90	19.75	2.52	80.25
<b>Two-step methods</b>						
OLS – 91 percentile cutoff	82.57	85.89	14.11	19.36	2.73	80.64
Quantile (estim. points: 56, 91) 91 percentile cutoff	81.65	82.96	17.04	18.21	0.61	81.79
LP – 69 percentile cutoff	82.05	86.80	13.20	21.27	4.20	78.73
Probit – 69 percentile cutoff	82.34	85.60	14.40	19.52	2.67	80.48
* The \$1.25 per day per capita international poverty line in 2005 Purchasing Power Parity is equivalent to 31.49 Rupees per day per capita in average 2003/04 prices.						

<b>Paraguay</b> (Median line*) Share of “Very Poor”: 13.1%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	85.93	33.03	66.97	36.94	-4.07	3.01
<b>Quantile regression (estimation point: 33)</b>	<b>85.71</b>	<b>47.23</b>	<b>52.77</b>	<b>54.05</b>	<b>0.17</b>	<b>45.95</b>
Linear Probability	88.60	22.24	77.76	6.39	-9.67	-49.12
Probit	88.59	29.01	70.99	13.27	-7.82	-28.71
<b>Two-step methods</b>						
OLS – 48 percentile cutoff	87.87	42.77	57.23	32.35	-3.37	17.89
Quantile (estim. points: 33, 48) 48 percentile cutoff	87.36	51.33	48.67	45.77	-0.39	48.43
LP – 42 percentile cutoff	89.26	35.57	64.43	14.86	-6.71	-13.99
Probit – 42 percentile cutoff	88.74	33.21	66.79	16.33	-6.83	-17.24
* The median poverty line is 193,347 Paraguay Guarani (PG) per capita per month in 2001 prices in Asuncion, 199,368 PG in Central urban areas, 113,745 PG in other urban areas, and 55,948 in rural areas. This poverty line is based on the official national poverty line of 269,694 PG per capita per month in Asuncion, 266,967 PG in Central urban areas, 166,762 PG in other urban areas, and 100,151 PG in rural areas in 2001 prices.						

<b>Peru (Median line*)</b> Share of “Very Poor”: 26.9%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	83.75	62.33	37.67	22.79	-4.00	47.44
Quantile regression (estimation point: 41)	<b>83.38</b>	<b>69.30</b>	<b>30.69</b>	<b>31.16</b>	<b>0.13</b>	<b>68.84</b>
Linear Probability	86.38	62.79	37.21	13.49	-6.38	39.07
Probit	86.63	67.91	32.09	17.67	-3.88	53.49
<b>Two-step methods</b>						
OLS – 57 percentile cutoff	85.25	67.91	32.09	22.79	-2.50	58.60
Quantile (estim. points: 41, 23) 57 percentile cutoff	83.50	72.09	27.91	33.49	1.50	66.51
LP – 60 percentile cutoff	87.75	72.56	27.44	18.1395	-2.50	63.26
Probit – 60 percentile cutoff	87.75	73.02	26.98	18.60	-2.25	64.65
*The median poverty line varies by sampling area, ranging from 867.4 to 2,182 Peruvian Nuevo Soles per capita per year in July 2004 prices. This poverty line is based on the official poverty lines of 1,328 to 2,811 Peruvian Nuevo Soles per capita per year in July 2004 prices.						

<b>SENEGAL (\$1.25/day line*)</b> Share of “Very Poor”: 11.5%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	89.43	44.44	55.56	34.34	-2.49	23.23
Quantile regression (estimation point: 39 percentile)	<b>89.19</b>	<b>54.55</b>	<b>45.45</b>	<b>46.46</b>	<b>0.12</b>	<b>53.54</b>
Linear Probability	90.62	30.30	69.70	10.10	-7.01	-29.29
Probit	91.45	42.42	57.58	15.15	-4.99	0
<b>Two-step methods</b>						
OLS –34 percentile cutoff	90.50	53.54	46.46	34.34	-1.43	41.41
Quantile (estimation points: 39, 13 ) 34 percentile cutoff	89.90	62.63	37.37	48.48	1.31	51.52
LP – 34 percentile cutoff	93.23	58.59	41.41	16.16	-2.97	33.33
Probit –34 percentile cutoff	90.97	42.42	57.58	19.19	-4.51	4.04
*The \$1.25/day per capita international poverty line in 2005 Purchasing Power Parity terms is 422 CFA Francs per day per capita in 2009 prices.						

<b>Serbia (Median line*) Share of “Very Poor”:</b> 3.1%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	97.24	17.87	82.13	8.08	-2.26	-56.18
Quantile regression (estimation point: 26)	<b>96.63</b>	<b>45.33</b>	<b>54.67</b>	<b>55.63</b>	<b>0.03</b>	<b>44.37</b>
Linear Probability	97.10	6.18	93.82	1.06	-2.83	-86.59
Probit	97.64	30.47	69.53	7.51	-1.89	-31.55
<b>Two-step methods</b>						
OLS – 11 percentile cutoff	97.66	35.95	64.05	12.37	-1.58	-15.73
Quantile (estim. points: 26, 3) 11 percentile cutoff	96.77	44.35	55.65	49.95	-0.17	38.64
LP – 13 percentile cutoff	97.90	38.65	61.35	7.24	-1.66	-15.46
Probit – 11 percentile cutoff	97.71	38.01	61.99	12.86	-1.50	-11.11
* The median poverty line is 7,551 dinars per adult equivalent per month in June 2007 prices. This poverty line is based on the official national poverty line of 8,883 dinars per adult equivalent per month in June 2007 prices.						

<b>Tajikistan (Median line*) Share of “Very Poor”:</b> 47.3%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	69.74	71.81	28.19	35.78	3.59	64.22
Quantile regression (estimation point: 51)	69.46	68.92	31.08	33.49	1.14	66.51
Linear Probability	69.97	71.81	28.19	35.30	3.36	64.69
Probit	70.59	70.96	29.04	33.13	1.94	66.87
<b>Two-step methods</b>						
OLS – 50 percentile cutoff	70.66	69.04	30.96	31.08	0.06	68.92
Quantile (estim. points: 51, 25) 50 percentile cutoff	70.19	68.67	31.33	31.69	0.17	68.31
LP – 49 percentile cutoff	<b>71.68</b>	<b>70.00</b>	<b>30.00</b>	<b>29.88</b>	<b>-0.06</b>	<b>69.88</b>
Probit – 49 percentile cutoff	72.08	67.71	32.29	26.75	-2.62	62.17
*The median poverty line is 12,329 Tajik Rubles per capita per month in 1999 prices. This poverty line is based on the official national poverty line of 32,083 Tajik Rubles per capita per month in 1999 prices.						

<b>Timor-Leste</b> (\$1.08/day line at 1993 PPP*) Share of “Very Poor”: 44.7%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	76.39	72.05	27.95	24.85	-1.38	68.96
Quantile regression (estimation point: 50)	76.23	73.76	26.24	26.92	0.31	73.08
Linear Probability	77.37	75.86	24.14	26.48	1.05	73.52
<b>Probit</b>	<b>77.14</b>	<b>75.08</b>	<b>24.92</b>	<b>26.20</b>	<b>0.58</b>	<b>73.79</b>
<b>Two-step methods</b>						
OLS – 62 percentile cutoff	76.93	73.12	26.88	24.71	-0.97	70.95
Quantile (estim. points: 50, 31) 62 percentile cutoff	77.06	74.11	25.89	25.43	-0.20	73.66
LP – 50 percentile cutoff	79.86	77.41	22.59	22.47	-0.05	77.30
Probit – 50 percentile cutoff	79.11	75.44	24.56	22.18	-1.06	73.06
The \$1.08 per day per capita international poverty line in 1993 Purchasing Power Parity terms is US\$ 0.62 per day per capita in 2001 prices.						

<b>Uganda</b> (\$1.25/day line at 2005 PPP*) Share of “Very Poor”: 47.1%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	78.05	80.32	19.68	26.95	3.43	73.05
Quantile regression (estimation point: 54)	<b>77.28</b>	<b>75.74</b>	<b>24.26</b>	<b>23.99</b>	<b>-0.13</b>	<b>75.47</b>
Linear Probability	79.06	80.05	19.95	24.53	2.16	75.47
Probit	77.16	79.51	20.49	28.03	3.55	71.97
<b>Two-step methods</b>						
OLS – 48 percentile cutoff	79.06	78.17	21.83	22.64	0.38	77.36
Quantile (estim. points: 54, 26) 48 percentile cutoff	78.43	77.09	22.91	22.91	0.00	77.09
LP – 50 percentile cutoff	79.44	78.98	21.02	22.64	0.76	77.36
Probit – 50 percentile cutoff	78.30	76.28	23.72	22.37	-0.63	74.93
*The \$1.25 per day per capita international poverty line in 2005 Purchasing Power Parity is 888.07 shillings per day per capita in September 2004 prices.						



<b>Vietnam (Median line*) Share of “Very Poor”:</b> 14.5%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	86.31	46.18	53.82	15.97	-7.42	8.33
Quantile regression (estimation point: 38)	<b>87.96</b>	<b>61.83</b>	<b>38.17</b>	<b>38.30</b>	<b>0.02</b>	<b>61.69</b>
Linear Probability	85.95	38.40	61.59	10.05	-10.1	-13.14
Probit	86.49	49.75	50.25	18.59	-6.21	18.09
<b>Two-step methods</b>						
OLS – 30 percentile cutoff	86.88	53.05	46.95	19.95	-5.29	26.05
Quantile (estim. points: 38, 11) 30 percentile cutoff	87.98	63.13	36.87	39.50	0.42	60.49
LP – 30 percentile cutoff	87.26	57.85	42.15	22.83	-3.79	38.53
Probit – 30 percentile cutoff	87.28	54.86	45.14	19.73	-4.98	29.45
*The median poverty line is 1,393,582 Vietnamese Dong per capita per year in January 1999 prices. This poverty line is based on the official national poverty line of 1,789,000 Vietnamese Dong per capita per year in January 1999 prices.						

<b>West Bank (Median line*) Share of “Very Poor”:</b> 12.9%	<b>Total Accuracy</b>	<b>Poverty Accuracy</b>	<b>Under-coverage</b>	<b>Leakage</b>	<b>PIE</b>	<b>BPAC</b>
<b>Single-step methods</b>						
OLS	88.33	24.48	75.52	16.53	-7.48	-34.52
Quantile regression (estimation point: 32)	86.10	43.85	56.15	51.46	-0.61	39.17
Linear Probability	88.27	11.19	88.81	3.73	-10.79	-73.90
Probit	89.03	29.12	70.88	15.63	-7.00	-26.13
<b>Two-step methods</b>						
OLS – 36 percentile cutoff	90.07	37.59	62.41	15.92	-5.89	-8.90
Quantile (estim. points: 32, 12) 36 percentile cutoff	<b>87.70</b>	<b>52.24</b>	<b>47.76</b>	<b>47.45</b>	<b>-0.04</b>	<b>51.93</b>
LP – 32 percentile cutoff	89.91	41.46	58.54	21.08	-4.75	3.99
Probit – 32 percentile cutoff	90.47	45.39	54.61	20.54	-4.32	11.32
*The median poverty line is 96 Jordanian Dinars per adult equivalent per month in average 2007 prices. This is based on an official national poverty line of 124 Dinars per adult equivalent per month in average 2007 prices.						