Appendix 1: Evaluation Measures for Income Components

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Notes on the following box plots

- The red (dark) horizontal line in the following box plots show the value of the criteria that a good imputation method should be closest to. For criteria 4, the best imputation method will have a value closest to zero (as zero is rarely shown, the horizontal line will be absent).
- The evaluation measures calculated for the 30 simulations and 5 waves are data points contributing to the box plots.
- Not all of the criteria apply in all situations, so box plots have only been provided for the applicable criteria.
Figures A1-9 Box plots of cross-sectional predictive, distributional and estimation evaluation measures for wages and salaries for respondents

Figure A1 Predictive accuracy: criteria 1

Figure A2 Predictive accuracy: criteria 2

Figure A3 Predictive accuracy: criteria 4

Figure A4 Predictive accuracy: criteria 5

Figure A5 Distributional accuracy: criteria 6

Figure A6 Estimation accuracy: criteria 8
Figure A10-17 Box plots of longitudinal predictive, distributional and estimation evaluation measures for wages and salaries for respondents

Figure A10 Predictive accuracy: criteria 1

Figure A11 Predictive accuracy: criteria 2

Figure A12 Predictive accuracy: criteria 3

Figure A13 Distributional accuracy: criteria 6

Figure A14 Estimation accuracy: criteria 8

Figure A15 Estimation accuracy: criteria 9
Figure A16 Estimation accuracy: criteria 10

Figure A17 Estimation accuracy: criteria 11
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Figure B1 Predictive accuracy: criteria 1

Figure B2 Predictive accuracy: criteria 2

Figure B3 Predictive accuracy: criteria 4

Figure B4 Predictive accuracy: criteria 5

Figure B5 Distributional accuracy: criteria 6

Figure B6 Estimation accuracy: criteria 8
Figure B10-17 Box plots of longitudinal predictive, distributional and estimation evaluation measures for Australian Government pensions for respondents

Figure B10 Predictive accuracy: criteria 1

Figure B11 Predictive accuracy: criteria 2

Figure B12 Predictive accuracy: criteria 3

Figure B13 Distributional accuracy: criteria 6

Figure B14 Estimation accuracy: criteria 8

Figure B15 Estimation accuracy: criteria 9
Figure B16 Estimation accuracy: criteria 10

Figure B17 Estimation accuracy: criteria 11
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Figure C1 Predictive accuracy: criteria 1

Figure C2 Predictive accuracy: criteria 2

Figure C3 Distributional accuracy: criteria 6

Figure C4 Estimation accuracy: criteria 8

Figure C5 Estimation accuracy: criteria 9

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Figure C8 Predictive accuracy: criteria 1

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Figure D2 Predictive accuracy: criteria 2

Figure D3 Predictive accuracy: criteria 4

Figure D4 Predictive accuracy: criteria 5A

Figure D5 Predictive accuracy: criteria 5B

Figure D6 Distributional accuracy: criteria 6
Figure D11-18 Box plots of longitudinal predictive, distributional and estimation evaluation measures for interest income for respondents

Figure D11 Predictive accuracy: criteria 1

Figure D12 Predictive accuracy: criteria 2

Figure D13 Predictive accuracy: criteria 3

Figure D14 Distributional accuracy: criteria 6

Figure D15 Estimation accuracy: criteria 8

Figure D16 Estimation accuracy: criteria 9
Figure D17 Estimation accuracy: criteria 10

Figure D18 Estimation accuracy: criteria 11
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Figure E2 Predictive accuracy: criteria 2

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Figure E6 Distributional accuracy: criteria 6
Figure E11-18 Box plots of longitudinal predictive, distributional and estimation evaluation measures for dividends and royalties for respondents

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