

Geo-Coding Variables in the ALSWH

Updated from the 2016 Census Geo-Coding

SEIFA, ARIA+ and Modified Monash Model

April 2019

David Fitzgerald

The geo-coding variables on the ALWSH datasets are ARIA+, ARIA+ grouped (ariappg), Modified Monash Model (MMM) and the SEIFA variables. Before the 2016 census geo-coding the SEIFA variables were :

- SEIFA Index Socio-economic Disadvantage (SeifaDis)
- SEIFA Index Socio-economic Adv/Disadv (SeifaAdDis)
- SEIFA index Economic resources (SeifaEcoRes)
- SEIFA index of Education and Occupation (SeifaEdOcc)

The 1996 census was used in the geo-coding for these ALSWH surveys:

- Surveys 1, 2 and 3 of the 1946-51 cohort
- Surveys 1 and 2 of the 1921-26 and 1973-78 cohorts.

The 2001 census was used in the geo-coding for these ALSWH surveys:

- Surveys 3 and 4 of the 1921-26 cohort
- Survey 3 of the 1973-78 cohort
- Survey 4 of the 1946-51 cohort

The 2006 census was used in the geo-coding for these ALSWH surveys:

- Surveys 4 and 5 of the 1973-78 cohort
- Surveys 5 and 6 of the 1946-51 cohort
- Surveys 5 and 6 and the six-month follow-up of the 1921-26 cohort

The 2011 census was used in the geo-coding for these ALSWH surveys:

- Surveys 6 and 7 of the 1973-78 cohort
- Surveys 7 and 8 of the 1946-51 cohort
- The six-month follow-up of the 1921-26 cohort
- Surveys 1, 2, 3 and 4 of the 1989-95 cohort

The 2016 Census was used in the geo-coding for these ALSWH surveys (but not MMM which was from 2011 census) :

- Survey 5 of the 1989-95 cohort
- Survey 8 of the 1973-78 cohort
- Six month follow up survey for the 1921-26 cohort

The table shows the Geo-coded variables available on the ALSWH datasets from the 2016 census (except MMM).

Column	Description	Geography Base
ARIAPLUS /		
ariap16	ARIA+ (2016) Grid Value [-9999 indicates no grid value]	Hugo Centre
SEO16	Index of Education and Occupation	ABS - ASGS (SA1) 2016

SEO16Dec	Index of Education and Occupation Dec	ABS - ASGS (SA1) 2016
SEO16AuRank	Index of Education and Occupation Rank (within Australia)	ABS - ASGS (SA1) 2016
SEO16AuDec	Index of Education and Occupation Dec (within Australia)	ABS - ASGS (SA1) 2016
SEO16AuPerc	Index of Education and Occupation Percentile (within Australia)	ABS - ASGS (SA1) 2016
SEO16StRank	Index of Education and Occupation Rank (within State or Territory)	ABS - ASGS (SA1) 2016
SEO16StDec	Index of Education and Occupation Dec (within State or Territory)	ABS - ASGS (SA1) 2016
SEO16StPerc	Index of Education and Occupation Percentile (within State or Territory)	ABS - ASGS (SA1) 2016
SER16	Index of Economic Resources	ABS - ASGS (SA1) 2016
SER16Dec	Index of Economic Resources Dec	ABS - ASGS (SA1) 2016
SER16AuRank	Index of Economic Resources Rank (within Australia)	ABS - ASGS (SA1) 2016
SER16AuDec	Index of Economic Resources Dec (within Australia)	ABS - ASGS (SA1) 2016
SER16AuPerc	Index of Economic Resources Percentile (within Australia)	ABS - ASGS (SA1) 2016
SER16StRank	Index of Economic Resources Rank (within State or Territory)	ABS - ASGS (SA1) 2016
SER16StDec	Index of Economic Resources Dec (within State or Territory)	ABS - ASGS (SA1) 2016
SER16StPerc	Index of Economic Resources Percentile (within State or Territory)	ABS - ASGS (SA1) 2016
SD16	Index of Relative Socio-economic Disadvantage	ABS - ASGS (SA1) 2016
SD16Dec	Index of Relative Socio-economic Disadvantage Dec	ABS - ASGS (SA1) 2016
SD16AuRank	Index of Relative Socio-economic Disadvantage Rank (within Australia)	ABS - ASGS (SA1) 2016
SD16AuDec	Index of Relative Socio-economic Disadvantage Dec (within Australia)	ABS - ASGS (SA1) 2016
SD16AuPerc	Index of Relative Socio-economic Disadvantage Percentile (within Australia)	ABS - ASGS (SA1) 2016
SD16StRank	Index of Relative Socio-economic Disadvantage Rank (within State or Territory)	ABS - ASGS (SA1) 2016
SD16StDec	Index of Relative Socio-economic Disadvantage Dec (within State or Territory)	ABS - ASGS (SA1) 2016
SD16StPerc	Index of Relative Socio-economic Disadvantage Percentile (within State or Territory)	ABS - ASGS (SA1) 2016
SAD16	Index of Relative Socio-economic Advantage and Disadvantage	ABS - ASGS (SA1) 2016
SAD16Dec	Index of Relative Socio-economic Advantage and Disadvantage Dec	ABS - ASGS (SA1) 2016

SAD16AuRank	Index of Relative Socio-economic Advantage and Disadvantage Rank (within Australia)	ABS - ASGS (SA1) 2016
SAD16AuDec	Index of Relative Socio-economic Advantage and Disadvantage Dec (within Australia)	ABS - ASGS (SA1) 2016
SAD16AuPerc	Index of Relative Socio-economic Advantage and Disadvantage Percentile (within Australia)	ABS - ASGS (SA1) 2016
SAD16StRank	Index of Relative Socio-economic Advantage and Disadvantage Rank (within State or Territory)	ABS - ASGS (SA1) 2016
SAD16StDec	Index of Relative Socio-economic Advantage and Disadvantage Dec (within State or Territory)	ABS - ASGS (SA1) 2016
SAD16StPerc	Index of Relative Socio-economic Advantage and Disadvantage Percentile (within State or Territory)	ABS - ASGS (SA1) 2016
MMM	Monash Modified Model classification (current version is 2015)	ABS - ASGS (SA1) 2011

Estimated Variables

MMMeestimated and ARIAPGPestimated

These two variables were derived and included in the ALSWH datasets before the geo-coded variables were available. These estimated variables were derived from the known post codes. After the geo-coded variables become available the estimated variables were removed.