

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for ATAR course examinations, by gender, 2022

Course	Gender of student	Total**	Moderated school assessments		Raw examination marks		Correlation coefficient
			Mean	Std dev	Mean	Std dev	
Accounting and Finance - Written	Male	541	67.92	16.83	67.38	19.22	0.91
	Female	428	68.56	17.08	67.55	18.88	
	Persons	969	68.21	16.93	67.46	19.06	
Ancient History - Written	Male	24	64.69	10.28	62.74	11.17	0.85
	Female	37	62.40	11.54	62.09	13.23	
	Persons	61	63.30	11.03	62.34	12.37	
Animal Production Systems - Written	Male	13	58.24	13.60	57.96	13.30	0.87
	Female	18	64.52	11.11	63.28	11.82	
	Persons	31	61.88	12.40	61.05	12.53	
Applied Information Technology - Written	Male	299	55.97	11.39	55.47	12.11	0.80
	Female	112	58.14	11.24	56.92	12.14	
	Other	1	57.71	0.00	53.94	0.00	
	Persons	412	56.56	11.36	55.86	12.10	
Arabic - Written	Male	6	62.75	15.96	59.22	19.16	0.88
	Female	13	65.78	16.10	62.29	20.74	
	Persons	19	64.83	15.67	61.32	19.77	
Auslan - Written	Male	4	93.60	5.62	97.31	2.37	0.71
	Female	6	92.52	7.21	91.12	8.18	
	Persons	10	92.95	6.30	93.60	7.02	
Aviation - Practical	Male	24	78.95	7.99	78.17	9.33	0.80
	Female	1	58.38	0.00	58.68	0.00	
	Persons	25	78.13	8.84	77.39	9.93	
Aviation - Written	Male	24	61.63	8.67	60.80	8.45	0.72
	Female	1	59.84	0.00	66.71	0.00	
	Persons	25	61.56	8.49	61.03	8.36	
Biology - Written	Male	523	56.90	13.11	56.35	14.96	0.90
	Female	1027	60.01	12.83	58.98	14.58	
	Other	3	67.03	7.27	68.00	3.50	
	Persons	1553	58.98	13.00	58.11	14.75	
Business Management and Enterprise - Written	Male	416	51.55	15.79	50.42	17.07	0.88
	Female	423	55.06	15.53	54.14	16.74	
	Persons	839	53.32	15.75	52.29	16.99	
Career and Enterprise - Written	Male	44	61.51	13.20	61.32	17.35	0.80
	Female	90	67.26	11.79	66.15	12.87	
	Persons	134	65.37	12.52	64.57	14.61	
Chemistry - Written	Male	2165	62.91	16.69	62.17	17.49	

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of an ATAR course.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the ATAR course concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for ATAR course examinations, by gender, 2022 (cont)

Course	Gender of student	Total**	Moderated school assessments		Raw examination marks		Correlation coefficient
			Mean	Std dev	Mean	Std dev	
Children, Family and the Community - Written	Female	1892	61.81	16.79	61.51	18.32	0.94
	Other	6	52.74	14.86	45.03	22.45	
	Persons	4063	62.38	16.74	61.84	17.90	
	Male	2	57.77	4.99	60.77	1.11	0.79
	Female	77	67.07	9.26	66.48	9.75	
	Persons	79	66.83	9.28	66.33	9.67	
Chinese: Background Language - Written	Male	9	62.68	7.75	62.44	7.73	0.90
	Female	9	68.54	8.79	68.33	9.08	
	Persons	18	65.61	8.59	65.39	8.72	
Chinese: First Language - Written	Male	31	49.16	16.23	46.94	18.38	0.88
	Female	28	64.27	12.64	64.09	14.45	
	Persons	59	56.33	16.39	55.08	18.62	
Chinese: Second Language - Practical	Male	41	75.36	11.61	74.44	13.37	0.80
	Female	53	72.29	11.28	71.62	11.67	
	Persons	94	73.63	11.46	72.85	12.45	
Chinese: Second Language - Written	Male	41	64.00	13.26	63.01	13.66	0.92
	Female	54	65.85	13.17	65.06	13.97	
	Persons	95	65.05	13.17	64.17	13.80	
Computer Science - Written	Male	395	60.12	15.02	58.43	17.23	0.88
	Female	54	56.43	13.07	57.29	13.54	
	Persons	449	59.67	14.83	58.29	16.82	
Dance - Practical	Male	8	70.83	13.20	70.01	15.69	0.85
	Female	154	68.95	9.59	68.11	10.13	
	Persons	162	69.04	9.76	68.21	10.42	
Dance - Written	Male	8	55.56	16.33	54.88	20.64	0.83
	Female	152	60.80	11.90	59.30	14.75	
	Persons	160	60.54	12.15	59.08	15.04	
Design - Practical	Male	158	57.56	14.22	56.62	14.68	0.87
	Female	186	64.01	14.44	63.33	14.70	
	Other	1	68.48	0.00	64.29	0.00	
	Persons	345	61.07	14.66	60.26	15.03	
Design - Written	Male	159	54.04	12.14	52.81	14.10	0.79
	Female	183	61.21	11.20	58.09	16.21	
	Other	1	69.77	0.00	75.72	0.00	
	Persons	343	57.91	12.17	55.69	15.48	
Drama - Practical	Male	130	70.06	12.68	70.51	13.38	

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of an ATAR course.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the ATAR course concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for ATAR course examinations, by gender, 2022 (cont)

Course	Gender of student	Total**	Moderated school assessments		Raw examination marks		Correlation coefficient
			Mean	Std dev	Mean	Std dev	
Drama - Written	Female	314	70.34	11.39	69.20	12.94	0.83
	Other	1	77.34	0.00	63.55	0.00	
	Persons	445	70.27	11.76	69.57	13.06	
	Male	133	64.48	14.06	62.27	20.16	
Earth and Environmental Science - Written	Female	322	68.74	14.82	67.55	17.57	0.83
	Other	1	64.37	0.00	68.87	0.00	
	Persons	456	67.49	14.70	66.01	18.48	
	Male	65	45.11	10.75	45.97	11.79	
Economics - Written	Female	75	48.21	12.07	46.26	13.00	0.89
	Other	1	46.77	11.54	46.13	12.41	
	Persons	140	46.77	11.54	46.13	12.41	
	Male	989	54.72	16.48	54.17	17.80	
Engineering Studies - Written	Female	764	57.61	17.27	56.20	18.61	0.91
	Other	1	73.09	0.00	71.50	0.00	
	Persons	1754	55.99	16.89	55.06	18.18	
	Male	213	63.44	16.04	60.32	17.94	
English - Written	Female	20	55.89	15.24	54.63	15.34	0.86
	Other	233	62.80	16.08	59.83	17.78	
	Persons	233	62.80	16.08	59.83	17.78	
	Male	4282	56.28	9.55	55.88	11.55	
English as an Additional Language or Dialect - Practical	Female	4798	60.56	9.51	59.43	11.32	0.73
	Other	9	58.03	13.30	59.83	17.72	
	Persons	9089	58.54	9.77	57.75	11.57	
	Male	418	62.51	17.17	62.43	17.10	
English as an Additional Language or Dialect - Written	Female	427	67.46	13.36	65.73	14.81	0.82
	Other	845	65.01	15.55	64.10	16.06	
	Persons	845	65.01	15.55	64.10	16.06	
	Male	416	57.71	19.94	57.31	19.56	
Food Science and Technology - Written	Female	431	62.19	15.02	61.53	16.41	0.93
	Other	847	59.99	17.74	59.46	18.14	
	Persons	847	59.99	17.74	59.46	18.14	
	Male	18	61.07	14.16	58.81	13.59	
French: Background Language - Practical	Female	101	67.10	12.19	66.68	13.21	0.86
	Other	119	66.19	12.63	65.49	13.51	
	Persons	119	66.19	12.63	65.49	13.51	
	Male	3	72.51	9.55	75.00	15.00	
French: Background Language - Written	Female	3	85.26	6.00	81.67	5.77	0.84
	Other	6	78.89	9.99	78.33	10.80	
	Persons	6	78.89	9.99	78.33	10.80	
	Male	3	54.62	9.98	51.05	14.69	
French: Background Language - Written	Female	3	59.93	10.27	61.83	2.08	0.59
	Other	6	57.28	9.51	56.44	11.09	
	Persons	6	57.28	9.51	56.44	11.09	
	Male	3	54.62	9.98	51.05	14.69	

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of an ATAR course.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the ATAR course concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for ATAR course examinations, by gender, 2022 (cont)

Course	Gender of student	Total**	Moderated school assessments		Raw examination marks		Correlation coefficient
			Mean	Std dev	Mean	Std dev	
French: Second Language - Practical	Male	101	70.94	16.47	71.27	17.61	0.90
	Female	237	74.56	15.58	73.91	16.98	
	Other	1	80.34	0.00	75.25	0.00	
	Persons	339	73.50	15.90	73.12	17.16	
French: Second Language - Written	Male	101	54.90	13.06	54.32	14.17	0.93
	Female	238	59.13	13.11	58.04	13.59	
	Other	1	78.63	0.00	70.15	0.00	
	Persons	340	57.93	13.25	56.97	13.84	
Geography - Written	Male	602	59.40	11.81	59.11	13.31	0.85
	Female	667	60.57	13.00	59.03	14.94	
	Persons	1269	60.02	12.46	59.06	14.19	
German: Second Language - Practical	Male	7	85.61	10.59	86.41	12.15	0.79
	Female	11	87.28	10.16	84.85	14.30	
	Persons	18	86.63	10.05	85.46	13.15	
German: Second Language - Written	Male	7	78.20	14.64	77.96	15.19	0.97
	Female	11	74.22	14.02	73.62	13.45	
	Persons	18	75.77	13.98	75.30	13.88	
Health Studies - Written	Male	115	51.44	16.20	50.11	18.82	0.84
	Female	392	58.75	15.36	57.46	16.86	
	Other	1	62.35	0.00	85.02	0.00	
	Persons	508	57.10	15.82	55.85	17.61	
Hebrew - Written	Male	1	66.03	0.00	66.88	0.00	0.68
	Female	3	58.36	2.97	58.00	1.56	
	Persons	4	60.28	4.54	60.22	4.62	
Human Biology - Written	Male	1270	59.69	12.56	59.43	13.21	0.91
	Female	2516	61.13	12.89	60.36	13.77	
	Other	5	60.26	17.59	62.80	14.73	
	Persons	3791	60.65	12.80	60.05	13.59	
Indonesian: First Language - Written	Male	3	48.05	6.08	48.00	7.21	0.28
	Female	0	N/A	N/A	N/A	N/A	
	Persons	3	48.05	6.08	48.00	7.21	
Indonesian: Second Language - Practical	Male	19	65.10	9.91	65.79	10.99	0.90
	Female	20	57.21	19.69	55.50	20.62	
	Persons	39	61.06	16.01	60.51	17.23	
Indonesian: Second Language - Written	Male	19	57.15	12.19	58.04	14.54	
	Female	20	53.95	20.26	50.98	23.66	

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of an ATAR course.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the ATAR course concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for ATAR course examinations, by gender, 2022 (cont)

Course	Gender of student	Total**	Moderated school assessments		Raw examination marks		Correlation coefficient
			Mean	Std dev	Mean	Std dev	
Integrated Science - Written	Persons	39	55.51	16.68	54.42	19.82	0.95
	Male	27	57.30	14.57	57.10	14.73	
	Female	23	62.44	11.34	61.22	13.57	
Italian: Background Language - Practical	Persons	50	59.66	13.31	59.00	14.22	0.90
	Male	2	61.06	34.10	67.50	38.89	
	Female	1	73.60	0.00	55.00	0.00	
Italian: Background Language - Written	Persons	3	65.24	25.17	63.33	28.43	0.85
	Male	2	58.15	25.68	58.63	26.61	
	Female	1	62.20	0.00	60.26	0.00	
Italian: Second Language - Practical	Persons	3	59.50	18.31	59.17	18.84	1.00
	Male	2	58.15	25.68	58.63	26.61	
	Female	1	62.20	0.00	60.26	0.00	
Italian: Second Language - Written	Persons	3	59.50	18.31	59.17	18.84	0.91
	Male	55	66.10	18.28	64.83	19.46	
	Female	111	65.02	16.84	64.36	17.37	
Japanese: Second Language - Practical	Persons	166	65.38	17.28	64.51	18.03	0.94
	Male	54	66.87	14.93	65.97	15.38	
	Female	111	64.13	13.60	63.67	14.82	
Japanese: Second Language - Written	Persons	165	65.03	14.07	64.42	15.00	0.90
	Male	90	74.16	17.41	74.92	18.56	
	Female	157	69.55	17.00	68.53	19.40	
Literature - Written	Persons	247	71.23	17.26	70.86	19.31	0.96
	Male	91	56.37	19.34	55.55	19.81	
	Female	159	50.86	18.59	49.24	20.04	
Marine and Maritime Studies - Written	Persons	250	52.86	19.01	51.54	20.15	0.74
	Male	500	64.76	8.75	63.75	9.97	
	Female	990	66.47	8.91	65.97	10.31	
Materials Design and Technology - Practical	Other	6	62.37	14.81	63.69	16.48	0.91
	Persons	1496	65.89	8.92	65.22	10.27	
	Male	49	52.94	11.85	52.44	12.94	
Materials Design and Technology - Written	Female	66	58.92	11.93	58.03	12.45	0.87
	Persons	115	56.37	12.21	55.64	12.91	
	Male	50	76.61	12.65	76.76	14.12	
Materials Design and Technology - Written	Female	47	83.41	11.60	83.76	12.28	0.87
	Other	1	99.89	0.00	89.66	0.00	
	Persons	98	80.11	12.66	80.25	13.61	
Materials Design and Technology - Written	Male	49	67.28	8.56	64.82	8.97	0.87
	Female	47	67.28	12.27	67.17	16.75	
	Other	1	81.98	0.00	73.39	0.00	

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of an ATAR course.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the ATAR course concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for ATAR course examinations, by gender, 2022 (cont)

Course	Gender of student	Total**	Moderated school assessments		Raw examination marks		Correlation coefficient
			Mean	Std dev	Mean	Std dev	
Mathematics Applications - Written	Persons	97	67.43	10.54	66.05	13.29	0.82
	Male	3307	62.28	16.20	61.42	19.81	
	Female	3810	63.33	16.22	62.13	18.06	
	Other	7	60.75	26.48	59.09	27.48	
Mathematics Methods - Written	Persons	7124	62.84	16.23	61.79	18.91	0.88
	Male	2169	67.26	19.09	67.19	20.62	
	Female	1415	64.56	18.06	62.86	20.38	
	Other	4	45.47	15.16	40.42	23.80	
Mathematics Specialist - Written	Persons	3588	66.17	18.74	65.45	20.65	0.93
	Male	907	63.28	18.63	63.00	19.55	
	Female	441	60.74	17.23	59.31	18.70	
	Other	1	43.11	0.00	33.59	0.00	
Media Production and Analysis - Practical	Persons	1349	62.43	18.22	61.77	19.35	0.94
	Male	173	64.14	12.90	64.39	13.56	
	Female	228	64.55	11.74	63.09	12.40	
	Other	1	84.08	0.00	91.43	0.00	
Media Production and Analysis - Written	Persons	402	64.42	12.26	63.72	12.97	0.83
	Male	172	62.57	11.59	60.18	15.57	
	Female	224	66.68	13.30	66.09	15.63	
	Other	1	76.23	0.00	80.09	0.00	
Modern Greek - Written	Persons	397	64.92	12.73	63.56	15.86	0.77
	Male	5	86.57	5.38	87.39	5.33	
	Female	2	86.92	4.50	84.86	3.63	
	Other	7	86.67	4.77	86.67	4.76	
Modern History - Written	Persons	7	86.67	4.77	86.67	4.76	0.89
	Male	598	57.74	13.57	57.95	15.07	
	Female	926	59.89	13.44	57.90	16.06	
	Other	3	67.13	9.88	65.67	19.37	
Music - Practical	Persons	1527	59.06	13.53	57.93	15.68	0.85
	Male	131	71.40	12.76	70.70	14.15	
	Female	140	70.34	14.15	69.51	15.64	
	Other	271	70.85	13.48	70.08	14.92	
Music - Written	Persons	271	70.85	13.48	70.08	14.92	0.82
	Male	133	62.82	14.85	61.58	16.24	
	Female	142	57.88	16.66	56.73	17.75	
	Other	275	60.27	15.97	59.07	17.18	
Outdoor Education - Written	Persons	275	60.27	15.97	59.07	17.18	0.94
	Male	50	53.46	14.54	50.72	15.81	
	Female	57	59.97	14.64	59.52	16.20	

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of an ATAR course.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the ATAR course concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for ATAR course examinations, by gender, 2022 (cont)

Course	Gender of student	Total**	Moderated school assessments		Raw examination marks		Correlation coefficient
			Mean	Std dev	Mean	Std dev	
Philosophy and Ethics - Written	Persons	107	56.93	14.89	55.41	16.55	0.92
	Male	90	65.80	9.15	65.33	9.29	
	Female	68	60.00	9.69	59.27	12.41	
Physical Education Studies - Practical	Persons	158	63.30	9.79	62.72	11.12	0.82
	Male	854	63.58	11.29	62.93	12.62	
	Female	633	57.91	12.10	56.93	12.83	
Physical Education Studies - Written	Persons	1487	61.17	11.97	60.37	13.05	0.75
	Male	915	58.13	13.65	57.17	14.76	
	Female	658	59.56	13.33	59.13	14.01	
Physics - Written	Persons	1573	58.73	13.53	57.99	14.48	0.88
	Male	1948	59.62	18.35	58.94	19.93	
	Female	595	56.98	18.18	55.80	19.22	
Plant Production Systems - Written	Other	1	52.94	0.00	67.37	0.00	0.93
	Persons	2544	59.00	18.33	58.21	19.81	
	Male	12	59.37	11.88	59.60	12.75	
Politics and Law - Written	Female	17	65.90	10.29	64.52	12.45	0.88
	Persons	29	63.20	11.25	62.48	12.59	
	Male	250	59.04	14.98	57.84	17.73	
Psychology - Written	Female	473	59.77	14.85	58.11	17.35	0.88
	Persons	723	59.52	14.89	58.01	17.47	
	Male	407	48.70	12.98	47.23	15.61	
Religion and Life - Written	Female	1290	53.57	12.94	52.73	13.82	0.88
	Other	2	32.48	2.34	32.36	9.19	
	Persons	1699	52.38	13.13	51.39	14.46	
Russian - Written	Male	332	58.02	10.70	57.19	11.80	0.81
	Female	612	61.51	10.40	60.96	10.81	
	Persons	944	60.28	10.63	59.63	11.31	
Sinhala - Written	Male	0	N/A	N/A	N/A	N/A	0.38
	Female	3	84.73	3.31	85.13	4.14	
	Persons	3	84.73	3.31	85.13	4.14	
Turkish - Written	Male	6	63.75	9.29	57.11	10.18	0.79
	Female	7	64.45	11.19	65.52	13.28	
	Persons	13	64.13	9.94	61.64	12.27	
	Male	0	N/A	N/A	N/A	N/A	N/A
	Female	1	75.82	0.00	81.63	0.00	
	Persons	1	75.82	0.00	81.63	0.00	

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of an ATAR course.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the ATAR course concerned.

School Curriculum and Standards Authority

Table 4.12 Mean and standard deviation of moderated school assessments, raw examination marks and correlation coefficients* for ATAR course examinations, by gender, 2022 (cont)

Course	Gender of student	Total**	Moderated school assessments		Raw examination marks		Correlation coefficient
			Mean	Std dev	Mean	Std dev	
Visual Arts - Practical	Male	80	63.08	10.69	63.32	11.83	0.81
	Female	476	65.88	11.93	65.38	12.40	
	Other	1	64.53	0.00	57.14	0.00	
	Persons	557	65.48	11.78	65.07	12.33	
Visual Arts - Written	Male	77	64.64	9.71	65.09	11.01	0.80
	Female	468	67.61	12.07	66.69	14.12	
	Other	1	64.19	0.00	62.12	0.00	
	Persons	546	67.18	11.79	66.46	13.71	

* Pearson product-moment correlation coefficients between moderated school assessment and raw examination marks for practical and written components of an ATAR course.

** The populations consist of all Year 12 students who have a numerical school assessment and a raw examination mark for that component of the ATAR course concerned.