

**The PAEA PACKRAT® Exam:
Historical Statistics From 1997 to 2022**



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Introduction

PACKRAT is an objective, comprehensive self-assessment tool for student and curricular evaluation. This 225-question self-assessment is written and built in its entirety each year. Statistics can vary from year to year. Version 1 was administered from Jan 1997 to Sept 1997, no national data is available for the first cohort. From Nov 1997 to Nov 2003, PACKRAT was given in a paper format. Answer booklets were sent to Applied Measurement Professionals, Inc. for inclusion in group summary data, the national mean was provided upon completion of a full administration year. Members received mean scores for first- and second-year student test-takers along with explanations of the answers. In 2003, the exam was transitioned to online administration and in 2012, PAEA transitioned from answer explanations to keyword feedback. In 2012, data analysis also became more robust, and additional statistics, reliability and standard of measurement (SEM), were added to score reports.

Below are the final historical statistics starting from Version 2 of administration, please note these are overall means for both first- and second-year student test takers. Each row represents final scores after one year of administration of the exam.

Administration Dates	Version	Mean	SD	Reliability	SEM
Nov 1997-Nov 1998	2	151	-	-	-
Nov 1998-Nov 1999	3	145	-	-	-
Nov 1999-Nov 2000	4	140	-	-	-
Nov 2000-Nov 2001	5	150	-	-	-
Nov 2001-Nov 2002	6	142	-	-	-
Nov 2002-Nov 2003	7	136	-	-	-

Administration Dates	Version	Mean	SD	Reliability	SEM
Nov 2003-Nov 2004	8	145.41	18.03	-	-
Nov 2004-Nov 2005	9	140.45	19.22	-	-
Nov 2005-Nov 2006	10	135.12	17.72	-	-
Nov 2006-Nov 2007	11	135.20	18.88	-	-
Nov 2007-Nov 2008	12	151.83	19.72	-	-
Nov 2008-Nov 2009	13	135.25	18.78	-	-
Nov 2009-Nov 2010	14	138.71	19.29	-	-
Nov 2010-Nov 2011	15	146.85	20.62	-	-
Nov 2011-Nov 2012	16	142.52	20.32	-	-
Nov 2012-Nov 2013	17	139.73	18.21	-	-
Nov 2013-Nov 2014	18	139.63	16.51	-	-
Nov 2014-Nov 2015	19	139.25	20.43	0.90	6.33
Nov 2015-Nov 2016	20	154.04	20.18	0.90	6.35
Nov 2016-Nov 2017	21	149.65	23.13	0.93	6.33
Nov 2017-Nov 2018	22	142.63	22.65	0.92	6.44
Nov 2018-Nov 2019	23	144.65	21.45	0.91	6.28
Nov 2019-Nov 2020	24	140.05	21.08	0.91	6.32
Nov 2020-Nov 2021	25	149.03	24.94	0.93	6.41
Nov 2021-Nov 2022	26	146.34	22.16	0.92	6.27

Empty cells= Not available

SD= Standard Deviation

SEM= Standard Error of Measurement

COVID-19 Pandemic Impact

PACKRAT has always been available for delivery in a proctored or unproctored mode, onsite or remote. Therefore, PACKRAT was available without interruption during the COVID-19 pandemic.