



Activity Log

Hecker, Frank

Student ID: 12224

Start Date: 7/24/2026

End Date: 9/28/2026

Mon, Sep 28th, 2026 (79 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Confidence Intervals for Two Means: Equal and Unknown Population Variance	9/7 XP
Probability & Statistics	Review	Confidence Intervals for Paired Samples: Unknown Variances	8/6 XP
Probability & Statistics	Review	The Relationship Between SSW, SSB, SST	6/4 XP
Probability & Statistics	Review	Stokes' Theorem	10/8 XP
Probability & Statistics	Quiz	Quiz 14	18/15 XP
Probability & Statistics	Lesson	Modeling With the Exponential Distribution	15/15 XP
Probability & Statistics	Review	Constructing Moment-Generating Functions for Discrete Probability Distributions	6/4 XP
Probability & Statistics	Review	Modeling With the Exponential Distribution	0/4 XP
Probability & Statistics	Quiz	Quiz 14	7/15 XP

Sun, Sep 27th, 2026 (51 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	The Law of Total Expectation for Discrete Random Variables	24/19 XP
Probability & Statistics	Review	Linear Combinations of Poisson Random Variables	6/4 XP
Probability & Statistics	Review	The Uniqueness Property of MGFs	4/4 XP
Probability & Statistics	Review	Estimating Sample Sizes for Proportions: Finite Population Correction	6/4 XP
Probability & Statistics	Lesson	One-Factor Analysis of Variance	11/9 XP

Sat, Sep 26th, 2026 (40 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Optimization Problems Involving Cylinders	10/8 XP
Probability & Statistics	Review	Parametric Equations of Horizontal Hyperbolas	6/4 XP
Probability & Statistics	Lesson	Confidence Intervals for One Means: Finite Population Correction	9/7 XP
Probability & Statistics	Review	Finite Population Corrections for Sample Proportions	7/5 XP
Probability & Statistics	Review	Computing Double Integrals Using a Change of Variables	8/6 XP

Fri, Sep 25th, 2026 (30 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The Multinomial Distribution	7/5 XP

Probability & Statistics	Lesson	Hypothesis Tests for Two Means: Paired-Sample T-Test	15/15 XP
Probability & Statistics	Lesson	Confidence Intervals for Two Proportions	8/8 XP

Thu, Sep 24th, 2026 (21 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Calculating Variance and Standard Deviation Using Moment-Generating Functions	8/6 XP
Probability & Statistics	Quiz	Quiz 13	13/13 XP

Wed, Sep 23rd, 2026 (40 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Calculating Variance and Standard Deviation Using Moment-Generating Functions	8/6 XP
Probability & Statistics	Review	The Gamma Distribution	6/4 XP
Probability & Statistics	Quiz	Quiz 13	8/14 XP
Probability & Statistics	Lesson	The Multinomial Distribution	18/14 XP

Tue, Sep 22nd, 2026 (56 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	The Relationship Between SSW, SSB, SST	20/16 XP
Probability & Statistics	Review	Modeling With the Exponential Distribution	6/4 XP
Probability & Statistics	Review	Improper Integrals Over the Real Line	8/6 XP
Probability & Statistics	Review	Estimating Sample Sizes for Proportions	6/4 XP
Probability & Statistics	Lesson	The Method of Moments: Two-Parameter Distributions	16/13 XP

Mon, Sep 21st, 2026 (31 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Rotation-Scaling Matrices	6/4 XP
Probability & Statistics	Review	Hypothesis Tests for Two Proportions	8/6 XP
Probability & Statistics	Review	Source-Free Vector Fields	3/5 XP
Probability & Statistics	Lesson	Hypothesis Tests for Two Means: Unequal and Unknown Population Variances	14/11 XP

Sat, Sep 19th, 2026 (44 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Confidence Intervals for Two Means: Unequal and Unknown Population Variance	15/12 XP
Probability & Statistics	Review	The Exponential Distribution	6/4 XP
Probability & Statistics	Quiz	Quiz 12	15/15 XP

Probability & Statistics	Review	Calculating the Radius of Gyration of a Plane Lamina	8/8 XP
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Thu, Sep 17th, 2026 (27 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Point Estimates of Population Proportions	6/4 XP
Probability & Statistics	Quiz	Quiz 12	7/15 XP
Probability & Statistics	Lesson	The Method of Moments	14/14 XP

Tue, Sep 15th, 2026 (14 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Hypothesis Tests for Two Means: Equal But Unknown Population Variances	6/6 XP
Probability & Statistics	Review	Estimating Sample Sizes for Proportions: Finite Population Correction	4/4 XP
Probability & Statistics	Review	Hypothesis Tests for Two Variances	4/4 XP

Mon, Sep 14th, 2026 (10 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Confidence Intervals for Paired Samples: Unknown Variances	10/12 XP

Sun, Sep 13th, 2026 (41 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Combinations With Repetition	6/4 XP
Probability & Statistics	Review	Confidence Intervals for One Proportion: Finite Population Corrections	6/4 XP
Probability & Statistics	Review	Triple Integrals in Spherical Polar Coordinates	7/5 XP
Probability & Statistics	Review	Hypothesis Tests for One Variance	4/4 XP
Probability & Statistics	Lesson	Confidence Intervals for Paired Samples: Known Variances	18/14 XP

Sat, Sep 12th, 2026 (45 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Chi-Square Tests of Independence and Homogeneity	7/7 XP
Probability & Statistics	Review	Linear Combinations of Binomial Random Variables	6/4 XP
Probability & Statistics	Review	Applications of the Central Limit Theorem	6/4 XP
Probability & Statistics	Lesson	Estimating Sample Sizes for Proportions: Finite Population Correction	16/13 XP
Probability & Statistics	Review	Hypothesis Tests for Two Proportions	6/6 XP
Probability & Statistics	Review	Line Integrals of Scalar Functions Over Polar Curves	4/4 XP

Fri, Sep 11th, 2026 (18 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Quiz	Quiz 11	18/15 XP

Thu, Sep 10th, 2026 (48 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Testing Poisson Models Using Chi-Square Goodness-of-Fit	8/6 XP
Probability & Statistics	Lesson	Confidence Intervals for One Proportion: Finite Population Corrections	9/7 XP
Probability & Statistics	Review	Newton's Method for Optimizing Multivariable Functions	13/13 XP
Probability & Statistics	Review	Spearman's Rank Correlation Coefficient	6/4 XP
Probability & Statistics	Lesson	Applications of the Central Limit Theorem	12/13 XP

Wed, Sep 9th, 2026 (13 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The Components of Acceleration	7/5 XP
Probability & Statistics	Review	Estimating Sample Sizes for Proportions	6/4 XP

Tue, Sep 8th, 2026 (43 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Computing Triple Integrals Using a Change of Variables	8/6 XP
Probability & Statistics	Lesson	Calculating Variance and Standard Deviation Using Moment-Generating Functions	14/11 XP
Probability & Statistics	Lesson	Estimating Sample Sizes for Means	21/17 XP

Mon, Sep 7th, 2026 (45 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Computing Areas Using a Change of Variables	8/6 XP
Probability & Statistics	Review	Permutations With Repetition	6/4 XP
Probability & Statistics	Quiz	Quiz 10	7/14 XP
Probability & Statistics	Review	One-Factor Within Groups and Between Groups Variation	5/5 XP
Probability & Statistics	Review	Optimizing Multivariable Functions Using Lagrange Multipliers	7/5 XP
Probability & Statistics	Review	Computing Areas Using a Change of Variables	8/6 XP
Probability & Statistics	Quiz	Quiz 10	4/15 XP

Sun, Sep 6th, 2026 (30 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Hypothesis Tests for Two Means: Equal But Unknown Population Variances	6/6 XP
Probability & Statistics	Lesson	The Empirical Rule for the Normal Distribution	13/10 XP
Probability & Statistics	Review	Estimating Sample Sizes for Proportions	-2/4 XP

Probability & Statistics	Review	Testing Binomial Models Using Chi-Square Goodness-of-Fit	7/5 XP
Probability & Statistics	Review	Hypothesis Tests for Two Proportions	6/6 XP

Fri, Sep 4th, 2026 (45 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Introduction to Order Statistics	18/14 XP
Probability & Statistics	Review	Testing Poisson Models Using Chi-Square Goodness-of-Fit	6/6 XP
Probability & Statistics	Review	Hypothesis Tests for Two Means: Paired-Sample Z-Test	6/4 XP
Probability & Statistics	Review	Estimating Sample Sizes for Proportions	4/4 XP
Probability & Statistics	Lesson	Hypothesis Tests for Two Variances	11/9 XP

Thu, Sep 3rd, 2026 (14 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	The Uniqueness Property of MGFs	8/8 XP
Probability & Statistics	Review	Finding the Mode of a Continuous Random Variable	6/4 XP

Wed, Sep 2nd, 2026 (44 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Quiz	Quiz 9	15/15 XP
Probability & Statistics	Review	Testing Normal Models Using Chi-Square Goodness-of-Fit	7/5 XP
Probability & Statistics	Review	Calculating Moments Using Moment-Generating Functions	6/4 XP
Probability & Statistics	Review	The Normal Approximation of the Poisson Distribution	6/4 XP
Probability & Statistics	Review	The Poisson Approximation of the Binomial Distribution	6/4 XP
Probability & Statistics	Quiz	Quiz 9	4/15 XP

Mon, Aug 31st, 2026 (52 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Hypothesis Tests for Two Proportions	21/17 XP
Probability & Statistics	Review	Combinations With Repetition	4/4 XP
Probability & Statistics	Review	The Central Limit Theorem	8/6 XP
Probability & Statistics	Review	Testing Continuous Uniform Models Using Chi-Square Goodness-of-Fit	6/4 XP
Probability & Statistics	Lesson	Estimating Sample Sizes for Proportions	13/13 XP

Sun, Aug 30th, 2026 (43 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Modeling With the Negative Binomial Distribution	6/4 XP
Probability & Statistics	Review	Finding the Mode of a Continuous Random Variable	6/4 XP
Probability & Statistics	Review	Spearman's Rank Correlation Coefficient	6/4 XP

Probability & Statistics	Lesson	Chi-Square Tests of Independence and Homogeneity	25/20 XP
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Sat, Aug 29th, 2026 (41 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Hypothesis Tests for One Variance	16/13 XP
Probability & Statistics	Lesson	Linear Combinations of Poisson Random Variables	9/7 XP
Probability & Statistics	Quiz	Quiz 8	16/13 XP

Fri, Aug 28th, 2026 (48 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The Trinomial Distribution	6/4 XP
Probability & Statistics	Review	Log-Likelihood Functions for Discrete Probability Distributions	6/4 XP
Probability & Statistics	Review	Conditional Variance for Discrete Random Variables	6/4 XP
Probability & Statistics	Quiz	Quiz 8	4/15 XP
Probability & Statistics	Lesson	Testing Normal Models Using Chi-Square Goodness-of-Fit	26/21 XP

Thu, Aug 27th, 2026 (9 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The Least-Squares Solution of a Linear System (With Collinearity)	9/7 XP

Wed, Aug 26th, 2026 (40 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Linear Combinations of Binomial Random Variables	6/4 XP
Probability & Statistics	Review	Recognizing Standard Maclaurin Series for Trigonometric Functions	6/4 XP
Probability & Statistics	Lesson	Hypothesis Tests for Two Means: Paired-Sample Z-Test	15/12 XP
Probability & Statistics	Review	Finite Population Corrections for Sample Proportions	7/5 XP
Probability & Statistics	Review	Introduction to Chi-Square Goodness-of-Fit	6/4 XP

Tue, Aug 25th, 2026 (7 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Modeling With the Binomial Distribution	7/5 XP

Mon, Aug 24th, 2026 (13 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Linear Combinations of Binomial Random Variables	13/13 XP

Sat, Aug 22nd, 2026 (22 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Calculating Moments Using Moment-Generating Functions	13/10 XP
Probability & Statistics	Lesson	Mean and Variance of the Negative Binomial Distribution	9/7 XP

Fri, Aug 21st, 2026 (45 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The Area Bounded by Two Polar Curves	8/8 XP
Probability & Statistics	Review	Properties of Moment-Generating Functions	8/6 XP
Probability & Statistics	Review	Points of Inflection	4/4 XP
Probability & Statistics	Lesson	Finding the Mode of a Continuous Random Variable	9/7 XP
Probability & Statistics	Lesson	Testing Continuous Uniform Models Using Chi-Square Goodness-of-Fit	16/13 XP

Thu, Aug 20th, 2026 (43 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Constructing Moment-Generating Functions for Discrete Probability Distributions	6/4 XP
Probability & Statistics	Quiz	Quiz 7	15/15 XP
Probability & Statistics	Review	The F-Distribution	6/4 XP
Probability & Statistics	Review	Further Logarithmic Differentiation	10/10 XP
Probability & Statistics	Review	The Trinomial Distribution	6/4 XP

Wed, Aug 19th, 2026 (43 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Modeling With the Negative Binomial Distribution	12/12 XP
Probability & Statistics	Review	Spearman's Rank Correlation Coefficient	2/4 XP
Probability & Statistics	Review	Approximating Areas Under Graphs of Composite Functions	7/5 XP
Probability & Statistics	Review	Constructing Moment-Generating Functions for Continuous Probability Distributions	6/4 XP
Probability & Statistics	Lesson	Mean and Variance of the Bernoulli Distribution	9/7 XP
Probability & Statistics	Review	Testing Binomial Models Using Chi-Square Goodness-of-Fit	7/5 XP

Mon, Aug 17th, 2026 (40 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Changing the Order of Integration in Triple Integrals: Changing Region	8/6 XP
Probability & Statistics	Review	Spearman's Rank Correlation Coefficient	6/4 XP
Probability & Statistics	Lesson	Properties of Moment-Generating Functions	21/17 XP
Probability & Statistics	Review	Triple Integrals in Spherical Polar Coordinates	5/5 XP

Sun, Aug 16th, 2026 (42 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Median, Quartiles and Percentiles of Continuous Random Variables	18/14 XP
Probability & Statistics	Lesson	Testing Poisson Models Using Chi-Square Goodness-of-Fit	24/24 XP

Sat, Aug 15th, 2026 (54 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Maximum Likelihood Estimation	6/4 XP
Probability & Statistics	Quiz	Quiz 6	14/14 XP
Probability & Statistics	Review	Solving Trigonometric Equations Using the Zero-Product Property	6/6 XP
Probability & Statistics	Review	Finite Population Corrections for Sample Proportions	5/5 XP
Probability & Statistics	Review	Optimization Problems With Inscribed Shapes	8/6 XP
Probability & Statistics	Lesson	Spearman's Rank Correlation Coefficient	15/12 XP

Fri, Aug 14th, 2026 (21 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Testing Binomial Models Using Chi-Square Goodness-of-Fit	21/21 XP

Thu, Aug 13th, 2026 (45 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The Trinomial Distribution	6/4 XP
Probability & Statistics	Review	Mean and Variance of the Exponential Distribution	6/4 XP
Probability & Statistics	Review	Calculating Limits Using Trigonometric Identities	6/4 XP
Probability & Statistics	Lesson	The Normal Approximation of the Poisson Distribution	14/11 XP
Probability & Statistics	Review	Finite Population Corrections for Sample Proportions	5/5 XP
Probability & Statistics	Review	Constructing Moment-Generating Functions for Discrete Probability Distributions	6/4 XP
Probability & Statistics	Review	Combinations With Repetition	2/4 XP

Wed, Aug 12th, 2026 (41 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	The Trinomial Distribution	16/13 XP
Probability & Statistics	Review	Optimization Problems Involving Boxes and Trays	4/7 XP
Probability & Statistics	Review	Moment-Generating Functions	6/4 XP
Probability & Statistics	Quiz	Quiz 5	15/15 XP

Tue, Aug 11th, 2026 (46 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The Correlation Coefficient for Two Random Variables	7/5 XP

Probability & Statistics	Lesson	The Poisson Approximation of the Binomial Distribution	9/7 XP
Probability & Statistics	Review	Hypothesis Tests for Two Means: Equal But Unknown Population Variances	8/6 XP
Probability & Statistics	Review	Point Estimates of Population Proportions	6/4 XP
Probability & Statistics	Review	One-Factor Within Groups and Between Groups Variation	7/5 XP
Probability & Statistics	Lesson	K Permutations of N With Repetition	9/7 XP

Mon, Aug 10th, 2026 (44 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The Intersection Between a Line and a Plane	7/5 XP
Probability & Statistics	Review	The Rule of the Lazy Statistician for Two Random Variables	6/6 XP
Probability & Statistics	Review	Hypothesis Tests for One Mean: Unknown Population Variance	4/4 XP
Probability & Statistics	Lesson	Constructing Moment-Generating Functions for Continuous Probability Distributions	16/13 XP
Probability & Statistics	Review	Absolute and Conditional Convergence	6/4 XP
Probability & Statistics	Review	Finite Population Corrections for Sample Proportions	5/5 XP

Sun, Aug 9th, 2026 (19 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The F-Distribution	6/4 XP
Probability & Statistics	Lesson	The Gamma Distribution	13/10 XP

Sat, Aug 8th, 2026 (14 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The Central Limit Theorem	8/6 XP
Probability & Statistics	Review	Modeling With the Exponential Distribution	6/4 XP

Fri, Aug 7th, 2026 (46 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Hypothesis Tests for Two Means: Equal But Unknown Population Variances	8/6 XP
Probability & Statistics	Lesson	Mean and Variance of the Exponential Distribution	9/7 XP
Probability & Statistics	Review	Intersections of Lines and Planes With Surfaces	7/5 XP
Probability & Statistics	Review	Extending Bayes' Theorem	8/6 XP
Probability & Statistics	Quiz	Quiz 4	14/14 XP

Thu, Aug 6th, 2026 (47 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Taylor Series	10/10 XP
Probability & Statistics	Lesson	Permutations With Repetition	9/7 XP

Probability & Statistics	Review	Volumes of Revolution Using the Washer Method: Rotation About Other Axes	8/6 XP
Probability & Statistics	Lesson	Finite Population Corrections for Sample Proportions	20/16 XP

Wed, Aug 5th, 2026 (22 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The F-Distribution	0/4 XP
Probability & Statistics	Lesson	Modeling With the Exponential Distribution	14/15 XP
Probability & Statistics	Review	Logarithmic Differentiation	8/6 XP

Tue, Aug 4th, 2026 (42 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Introduction to Chi-Square Goodness-of-Fit	6/4 XP
Probability & Statistics	Review	The Components of Acceleration	5/5 XP
Probability & Statistics	Lesson	Hypothesis Tests for Two Means: Equal But Unknown Population Variances	20/22 XP
Probability & Statistics	Lesson	Constructing Moment-Generating Functions for Discrete Probability Distributions	11/9 XP

Mon, Aug 3rd, 2026 (48 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The Bivariate Normal Distribution	8/6 XP
Probability & Statistics	Quiz	Quiz 3	14/14 XP
Probability & Statistics	Review	The Bivariate Normal Distribution	8/6 XP
Probability & Statistics	Review	The Central Limit Theorem	8/6 XP
Probability & Statistics	Quiz	Quiz 3	10/15 XP

Sun, Aug 2nd, 2026 (42 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Pooled Variance	16/13 XP
Probability & Statistics	Review	Confidence Intervals for One Variance	6/4 XP
Probability & Statistics	Review	The Inverse Hyperbolic Functions	0/5 XP
Probability & Statistics	Review	Introduction to Chi-Square Goodness-of-Fit	4/4 XP
Probability & Statistics	Lesson	Finite Population Corrections for Sample Means	16/13 XP

Sat, Aug 1st, 2026 (43 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Singular Value Decomposition of Larger Matrices	9/7 XP
Probability & Statistics	Review	The F-Distribution	4/4 XP
Probability & Statistics	Review	The Remainder Estimate for the Integral Test	6/6 XP

Probability & Statistics	Lesson	Moment-Generating Functions	9/7 XP
Probability & Statistics	Lesson	Modeling With the Geometric Distribution	15/12 XP

Fri, Jul 31st, 2026 (39 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Quiz	Quiz 2	17/14 XP
Probability & Statistics	Review	Confidence Intervals for Two Means: Known and Unequal Population Variances	6/4 XP
Probability & Statistics	Review	The CDF of the Poisson Distribution	4/4 XP
Probability & Statistics	Review	Properties of the Joint CDF of Two Continuous Random Variables	6/4 XP
Probability & Statistics	Review	The Change-of-Variables Method for Continuous Random Variables	6/4 XP
Probability & Statistics	Quiz	Quiz 2	0/14 XP

Wed, Jul 29th, 2026 (53 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	One-Factor Within Groups and Between Groups Variation	25/20 XP
Probability & Statistics	Review	The Negative Binomial Distribution	7/5 XP
Probability & Statistics	Review	Combinations With Repetition	6/4 XP
Probability & Statistics	Review	Confidence Intervals for Linear Regression Intercept Parameters	6/4 XP
Probability & Statistics	Lesson	Subspaces of N-Dimensional Space: Geometric Interpretation	9/7 XP

Tue, Jul 28th, 2026 (41 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	Conditional Variance for Continuous Random Variables	8/6 XP
Probability & Statistics	Review	Confidence Intervals for Linear Regression Slope Parameters	4/4 XP
Probability & Statistics	Review	Conditional Variance for Discrete Random Variables	4/4 XP
Probability & Statistics	Lesson	Independence of Continuous Random Variables	16/13 XP
Probability & Statistics	Lesson	The Gamma Function	9/7 XP

Mon, Jul 27th, 2026 (55 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	The Geometric Distribution	24/19 XP
Probability & Statistics	Quiz	Quiz 1	18/15 XP
Probability & Statistics	Review	Confidence Intervals for One Proportion	4/4 XP
Probability & Statistics	Quiz	Quiz 1	9/15 XP

Sun, Jul 26th, 2026 (46 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Review	The CDF of the Poisson Distribution	6/4 XP

Probability & Statistics	Review	Simulating Random Observations	6/4 XP
Probability & Statistics	Lesson	Linear Dependence and Independence	10/10 XP
Probability & Statistics	Lesson	Modeling With the Binomial Distribution	24/19 XP

Sat, Jul 25th, 2026 (60 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	The Negative Binomial Distribution	24/19 XP
Probability & Statistics	Lesson	The F-Distribution	16/13 XP
Probability & Statistics	Lesson	Introduction to Chi-Square Goodness-of-Fit	11/9 XP
Probability & Statistics	Lesson	Mean and Variance of the Geometric Distribution	9/7 XP

Fri, Jul 24th, 2026 (30 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Probability & Statistics	Lesson	Mean and Variance of the Poisson Distribution	9/7 XP
Probability & Statistics	Lesson	Combinations With Repetition	12/12 XP
Probability & Statistics	Placement		9/ XP

Notes:

1. Every learning task is assigned an XP (eXperience Point) value to signify the time required to successfully complete that task.
2. 1 XP is equivalent to 1 minute of focused effort (e.g. a 10 XP lesson should take roughly 10 minutes to complete)
3. The amount of XP awarded is based on the students' performance on that task, with additional "bonus" XP awarded if every question is answered correctly