

# PRINCIPAL COMPONENT ANALYSIS WIKIPEDIA

## [kernel principal component analysis wikipedia](#)

In the field of multivariate statistics, kernel principal component analysis (kernel PCA) is an extension of principal component analysis (PCA) using techniques of kernel methods. Using a kernel, the originally linear operations of PCA are performed in a reproducing kernel Hilbert space

## [principal component regression wikipedia](#)

In statistics, principal component regression (PCR) is a regression analysis technique that is based on principal component analysis (PCA). Typically, it considers regressing the outcome (also known as the response or the dependent variable) on a set of covariates (also known as predictors, or explanatory variables, or independent variables) based on a standard linear regression model, but ...

## [introduction to principal component analysis pca laura](#)

Principal Component Analysis (PCA) is a dimensionality-reduction technique that is often used to transform a high-dimensional dataset into a smaller-dimensional subspace prior to running a machine learning algorithm on the data. When should you use PCA? It is often helpful to use a dimensionality-reduction technique such as PCA prior to performing machine learning because:

## [principal component analysis pca stats](#)

Principal Component Analysis (PCA) Principal Component Analysis (.pdf) . Principal component analysis (also known as principal components analysis) (PCA) is a technique from statistics for simplifying a data set. It was developed by Pearson (1901) and Hotelling (1933), whilst the best modern reference is Jolliffe (2002).

## [an lisis de componentes principales wikipedia la](#)

Fundamento. El ACP construye una transformaci3n lineal que escoge un nuevo sistema de coordenadas para el conjunto original de datos en el cual la varianza de mayor tamao del conjunto de datos es capturada en el primer eje (llamado el Primer Componente Principal), la segunda varianza mAjs grande es el segundo eje, y as sucesivamente.