CITES:

Apparel sizing using trimmed PAM and OWA operators (16):

1. Looking for representative fit models for apparel sizing
2. Modeling of female human body shapes for apparel design based on cross mean sets.
3. A review of research and innovation in garment sizing, prototyping and fitting.
4. Archetypoids: A new approach to define representative archetypal data.
5. The k-means algorithm for 3D shapes with an application to apparel design.
6. An ensemble of ordered logistic regression and random forest for child garment size matching.
10. Archetypal shapes based on landmarks and extension to handle missing data.
12. Archetypal analysis: An alternative to clustering for unsupervised texture segmentation.
13. OWA aggregation of multi-criteria with mixed uncertain fuzzy satisfactions.

Archetypal analysis: Contributions for estimating boundary cases in multivariate accommodation problem (23):

1. Looking for representative fit models for apparel sizing.
2. Modeling of female human body shapes for apparel design based on cross mean sets.
3. Archetypoids: A new approach to define representative archetypal data.
4. Evaluating the utility of mid-infrared spectral subspaces for predicting soil properties.
5. Functional archetype and archetypoid analysis.
9. Archetypal shapes based on landmarks and extension to handle missing data.
10. Cargas de trabajo no presencial ECTS arquetípicas del estudiantado: ¿cómo se reparten el trabajo semanalmente? (conference paper).
11. Crane cabins’ interior space multivariate anthropometric modeling.
13. Frame-based Data Factorizations (conference paper).
15. Robust multivariate and functional archetypal analysis with application to financial time series analysis.
16. Archetypal analysis: An alternative to clustering for unsupervised texture segmentation.
17. A data-driven classification of 3D foot types by archetypal shapes based on landmarks.
18. Finding archetypal patterns for binary questionnaires.
19. Improving Inferences about Preferences in Choice Modeling *(PhD thesis)*.
22. Hand Shape Modeling for the Mexican Population *(conference chapter)*.
23. Decoding Influenza Outbreaks in a Rural Region of the USA with Archetypal Analysis

**Looking for representative fit models for apparel sizing (20):**

1. Modeling of female human body shapes for apparel design based on cross mean sets.
2. Archetypoids: A new approach to define representative archetypal data.
3. An ensemble of ordered logistic regression and random forest for child garment size matching.
4. New technologies for customizing products for people with special necessities: project FASHION-ABLE.
5. A PCA-based bio-motion generator to synthesize new patterns of human running.
7. Panties Usage: Feel Comfortable or Sexy?
8. Modeling of half-scale human bodies in active body positions for apparel design and testing.
10. Resultados preliminares del proyecto InKreate
11. Development of a Military Uniform Size System Using Hybrid Support Vector Clustering with a Genetic Algorithm
12. Clothing measurement prediction system and method (Patent application).
13. Sizing system rompi anti-peluru untuk personel tentara nasional indonesia *(PhD thesis)*.
15. The impact of age and body mass index on a bra sizing system formed by anthropometric measurements of Sichuan Chinese females.
17. Knowledge Discovery and Data Mining-based Garment Size Selection for Mass Customization.
18. Understanding Female Breast Shape to Improve Bra Sizing Via 3D and 4D Body Scanning Technology *(PhD thesis)*.
19. Plus-size men: Perceptions of available clothing and models used to market the clothing to market the clothing *(PhD thesis)*.
20. Comparison of Univariate and Multivariate Anthropometric Accommodation of the Northwest Mexico Population.

**Archetypoids: A new approach to define representative archetypal data (30):**

1. An ensemble of ordered logistic regression and random forest for child garment size matching.
2. Functional archetype and archetypoid analysis.
3. Archetypal analysis for data-driven prototype identification.
5. Archetypoid Analysis for Sports Analytics.
The k-means algorithm for 3D shapes with an application to apparel design (20):

1. A new extrinsic sample mean in the shape space with applications to the boundaries of anatomical structures.
2. 3D Body shape clustering based on PSO by volumetric overlap (conference paper).
3. 3D body shape clustering based on PSO by multi-fitness function (conference paper).
6. Gaussian Bayes Classifier for 2D Shapes in Kendall Space (conference chapter).
7. Bayesian Approach in Kendall Shape Space for Plant Species Classification (conference chapter).
8. Archetypal shapes based on landmarks and extension to handle missing data.
10. A New Method of Selecting K-means Initial Cluster Centers Based on Hotspot Analysis (conference paper).
11. A Kernel Regression Procedure in the 3D Shape Space with an Application to Online Sales of Children’s Wear.
12. Supervised classification of geometrical objects by integrating currents and functional data analysis.
15. Use of text mining techniques for unsupervised organization of digital procedural acts.
16. Sets that maximize probability and a related variational problem.
17. A Riemannian geometric framework for manifold learning of non-Euclidean data.
18. Pattern analysis of Australia soil profiles for plant available water capacity.
20. Sets that maximize probability and a related variational problem

**Anthropometry: An R Package for Analysis of Anthropometric Data (20):**

1. Archetypoid Analysis for Sports Analytics.
2. Archetypal shapes based on landmarks and extension to handle missing data.
4. Frame-based Data Factorizations (conference paper).
7. Robust multivariate and functional archetypal analysis with application to financial time series analysis.
8. Archetypal analysis: An alternative to clustering for unsupervised texture segmentation.
9. Using Archetypoid Analysis to Classify Institutions and Faculties of Economics (working paper).
10. A data-driven classification of 3D foot types by archetypal shapes based on landmarks.
11. Comparative characteristics of year transversal parameter changes of young people during the first year of studying at the university.
13. Robust archetypoids for anomaly detection in big functional data.
18. Comparative characteristics of the parameters' changes of skin and fat flexures thickness of extremeties at youth under the condition of higher education.
19. Prediction of military combat clothing size using decision trees and 3D body scan data.

**Archetypoid Analysis for Sports Analytics (21)**

1. Archetypal shapes based on landmarks and extension to handle missing data.
4. Rank Dynamics for Functional Data.
5. Robust multivariate and functional archetypal analysis with application to financial time series analysis.
6. Model Trees for Identifying Exceptional Players in the NHL and NBA Drafts (In book: Machine Learning and Data Mining for Sports Analytics)
7. Finding outstanding performance in handball players based on statistical analysis
8. Basketball players' versatility: Assessing the diversity of tactical roles (conference paper).
10. Analysis of 2D Foot morphology by functional archetypal analysis (conference paper).
11. Using Archetypoid Analysis to Classify Institutions and Faculties of Economics (working paper).
15. Seated Volleyball: The Influence of Motor Deficiency Type on Players’ Tactical Roles.
16. Robust archetypoids for anomaly detection in big functional data.
17. Archetypal contour shapes (conference paper).
18. Quantifying the value of sprints in elite football using spatial cohesive networks.

**Forecasting basketball players’ performance using sparse functional data (9)**

1. A data-driven classification of 3D foot types by archetypal shapes based on landmarks.
2. Finding archetypal patterns for binary questionnaires.
3. Modeling Player and Team Performance in Basketball (working paper).
4. Robust archetypoids for anomaly detection in big functional data.
7. A data science approach analysing the impact of injuries on basketball player and team performance.
8. Exploratory Factor Analysis of Match Period and Sex-Related Differences of External and Internal Workload Demands in Youth Basketball Players.

**Robust archetypoids for anomaly detection in big functional data (4)**

2. Combining Classification and User-Based Collaborative Filtering for Matching Footwear Size.