Center for Machine Learning and Intelligent Systems

Wireless Indoor Localization Data Set

Download: Data Folder, Data Set Description

Abstract: Collected in indoor space by observing signal strengths of seven WiFi signals visible on a smartphone. The decision variable is one of the four rooms.

Data Set Characteristics:	Multivariate	**Number of Instances:**	2000	**Area:**	Computer
Attribute Characteristics:	Real	**Number of Attributes:**	7	**Date Donated**	2017-12-04
Associated Tasks:	Classification	**Missing Values?**	N/A	**Number of Web Hits:**	40270

Source:

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Data Set Information:

Collected to perform experimentation on how wifi signal strengths can be used to determine one of the indoor locations.

Attribute Information:

Each attribute is wifi signal strength observed on smartphone.

Relevant Papers:

Jayant G Rohra, Boominathan Perumal, Swathi Jamjala Narayanan, Priya Thakur, and Rajen B Bhatt, 'User Localization in an Indoor Environment Using Fuzzy Hybrid of Particle Swarm Optimization & Gravitational Search Algorithm with Neural Networks', in Proceedings of Sixth International Conference on Soft Computing for Problem Solving,2017, pp. 286-295.

Citation Request:

1. Rajen Bhatt, 'Fuzzy-Rough Approaches for Pattern Classification: Hybrid measures, Mathematical analysis, Feature selection algorithms, Decision tree algorithms, Neural learning, and Applications', Amazon Books
2. Jayant G Rohra, Boominathan Perumal, Swathi Jamjala Narayanan, Priya Thakur, and Rajen B Bhatt, 'User Localization in an Indoor Environment Using Fuzzy Hybrid of Particle Swarm Optimization & Gravitational Search Algorithm with Neural Networks', in Proceedings of Sixth International Conference on Soft Computing for Problem Solving,2017, pp. 286-295.
