

Audio – Feature extraction II

The raw pitch, energy, etc. contours can be used as is, and are then called short-term features, or more often, the actual features are derived from these acoustic variables by applying (statistic) functions over the sequence of values within an emotion segment, thus called global statistics features.

Example:

- mean pitch of a word or an utterance
- maximum, or minimum, etc. of the segment,
- Regression : estimating the relationships among variables.

The focus is on the relationship between a **Dependent variable** and one or more **independent variables**. Regression analysis helps one understand how the typical value of the dependent variable changes when any one of the independent variables is varied, while the other independent variables are held fixed.

