

# On the Role of Context Length for Feature Extraction and Sequence Modeling in Human Activity Recognition



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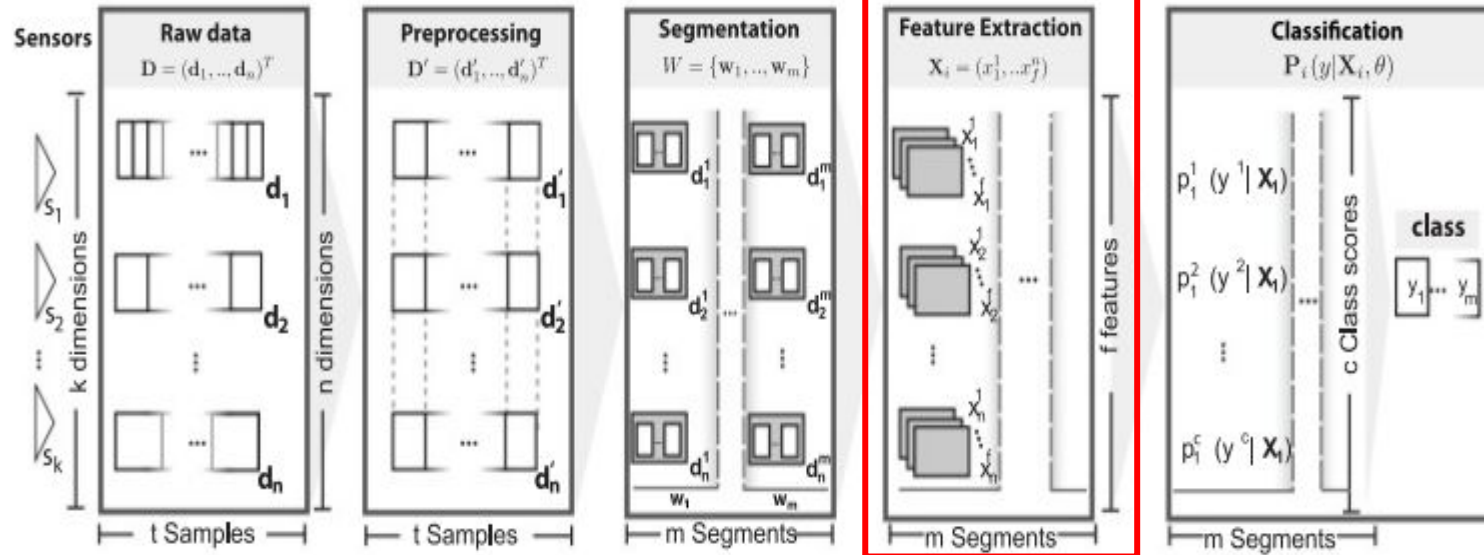
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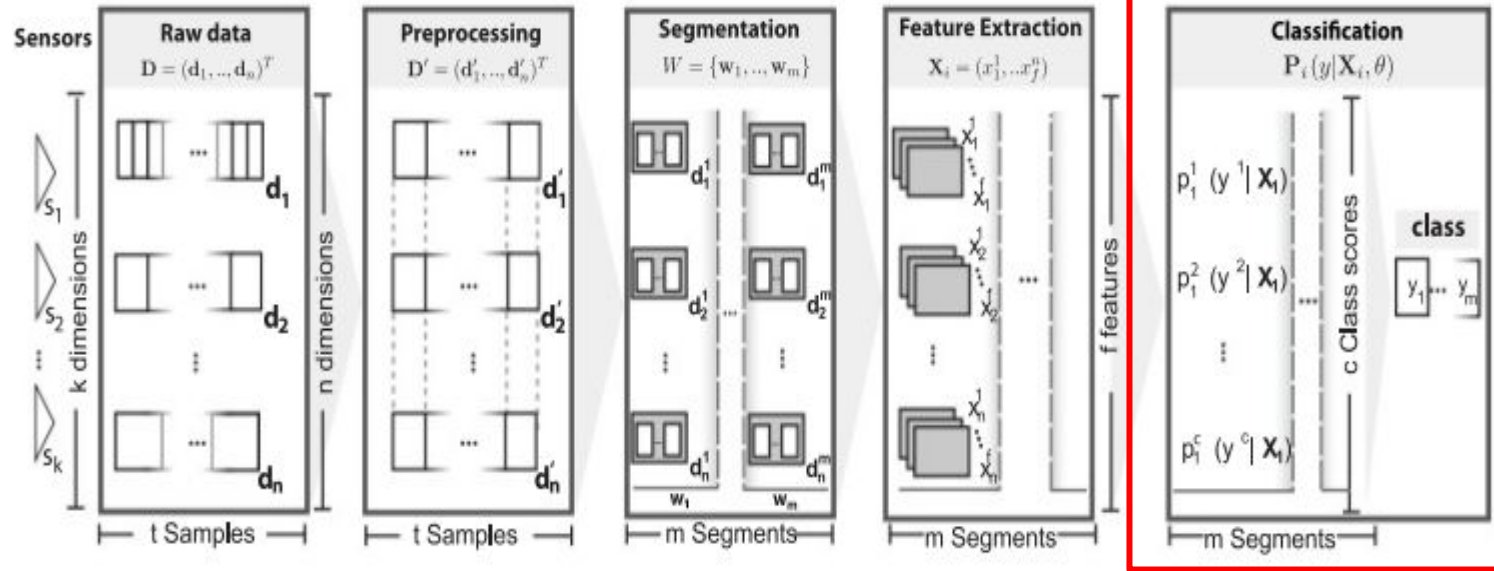
# HUMAN ACTIVITY RECOGNITION

## Time-series analysis problem



# HUMAN ACTIVITY RECOGNITION

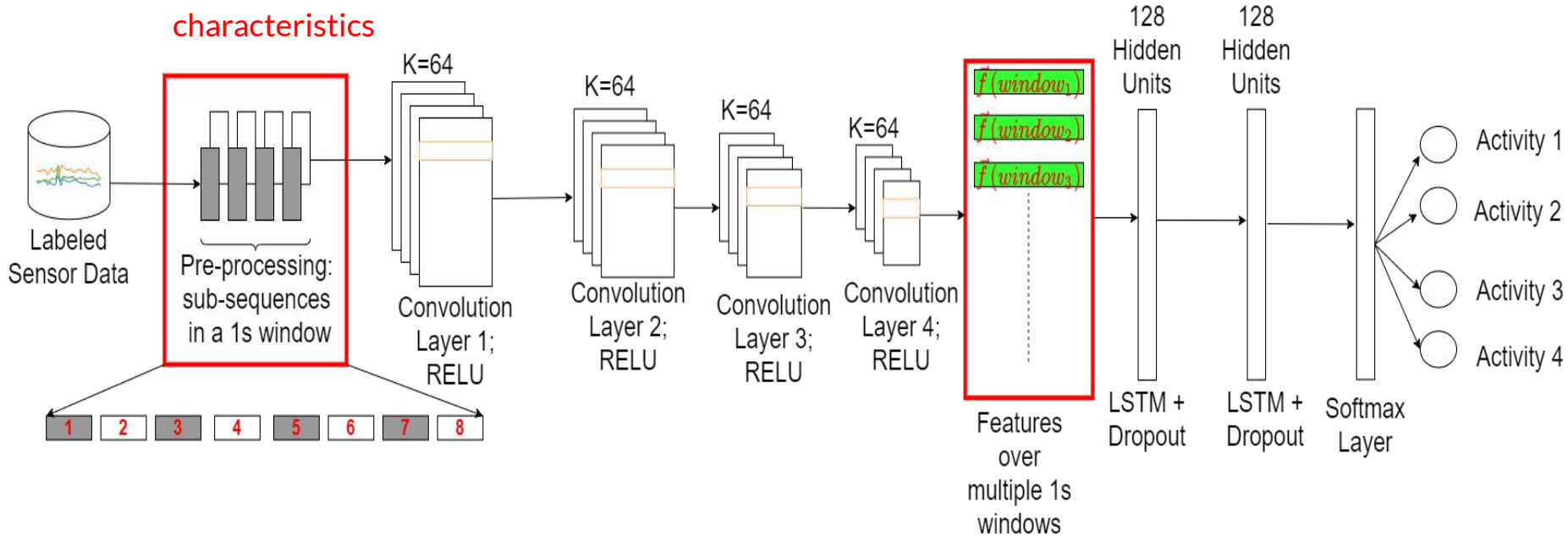
## Time-series analysis problem



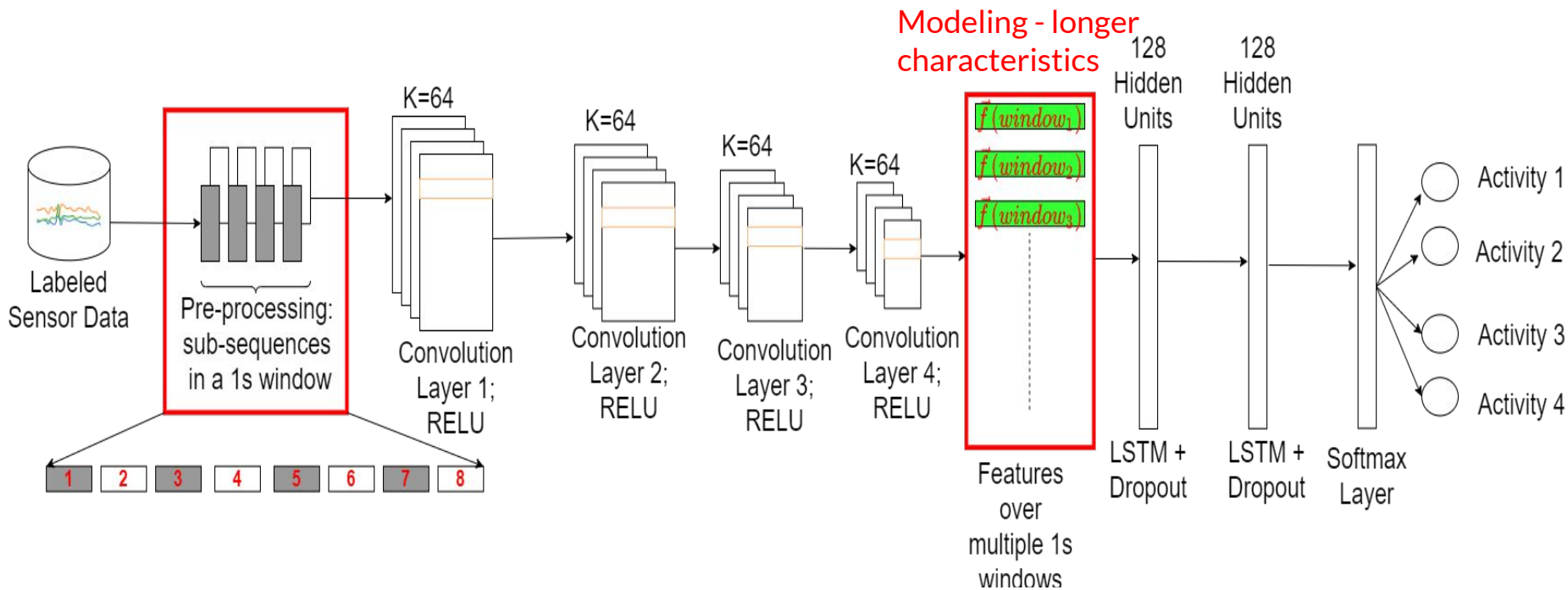
Sequential  
Modeling

# MODIFIED DeepConvLSTM FOR CONTEXT LENGTHS

Features - local characteristics



# MODIFIED DeepConvLSTM FOR CONTEXT LENGTHS



Ordóñez, F. J., & Roggen, D. (2016). Deep convolutional and lstm recurrent neural networks for multimodal wearable activity recognition. *Sensors*, 16(1), 115.

# EXPERIMENTAL EVALUATION

