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iBudi:
An Innovative, Entertaining Mobile Companion for Daily Monotonous Lives
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Introduction

You are storing tones of data...Even in crowds, people tend to communicate via smartphones. We tend to prefer virtual communities for communication rather than real life.
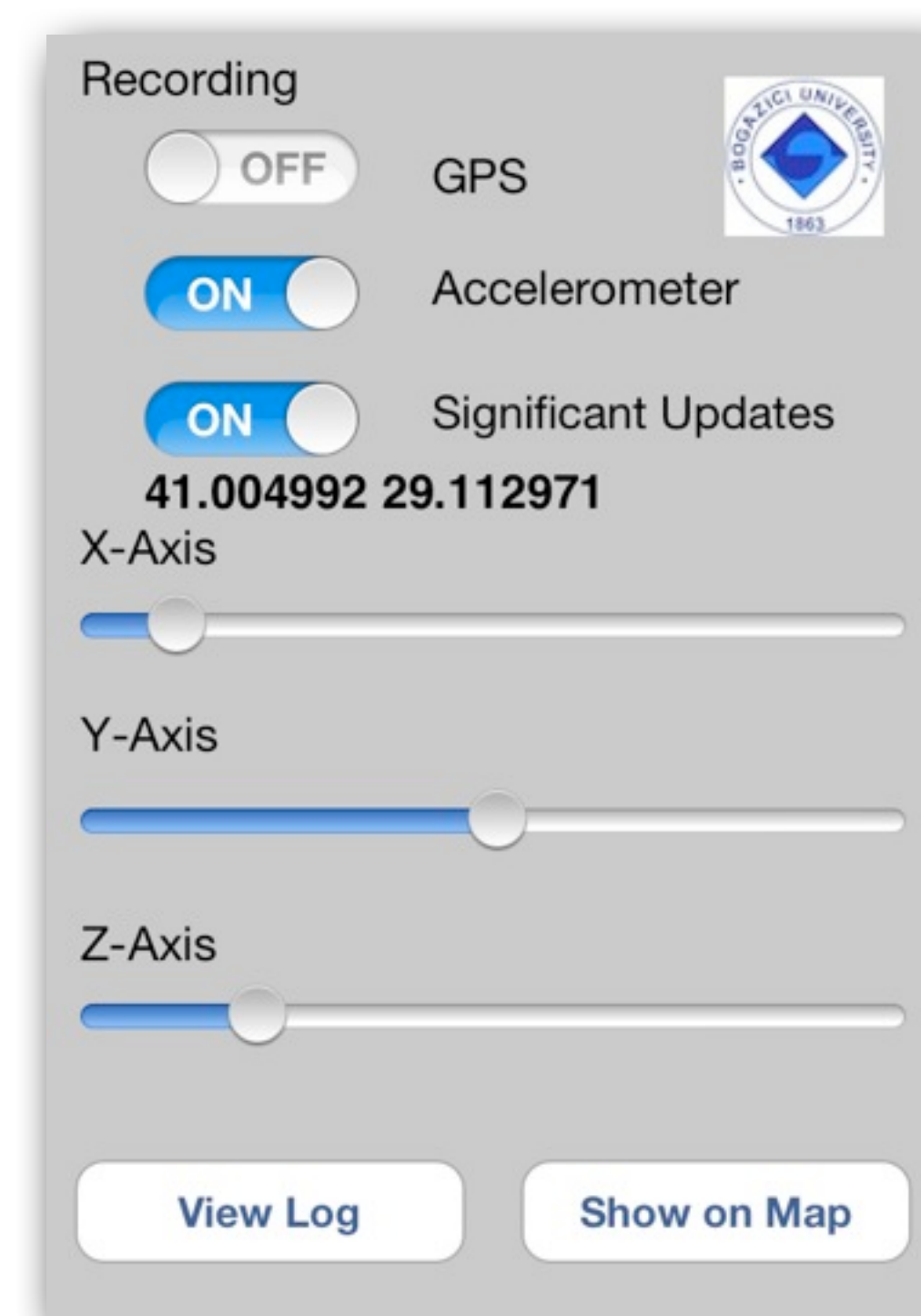
Fig. 1 Data Collection

Fig. 2 Trajectories of user

Fig.3 Data Visualisation

Collect Data → Clean Data → Clustering, Leader-Follower

Infer Data

Motivation

☐ Clever application for understanding your daily life

☐ Entertaining accompany

☐ Breaking the monotonous life, aiming to give a smile, with small messages, predicting the daily routines

Why don't you, give a break and have a cup of coffee?

Adenosine triphosphate, would be your key word...

You look so energetic today! ;)

I guess you would better to do some sport!

Approach & Methodology

☐ Data collection with IPhone, in an energy efficient way

☐ Data cleansing (Removing roads etc.)

☐ Find significant locations (Home, Office/School etc.)

☐ Construct daily routine, with significant location sequence and time spend in each location

☐ Find out drifts and make small talks, with inference data

Results and Future Work
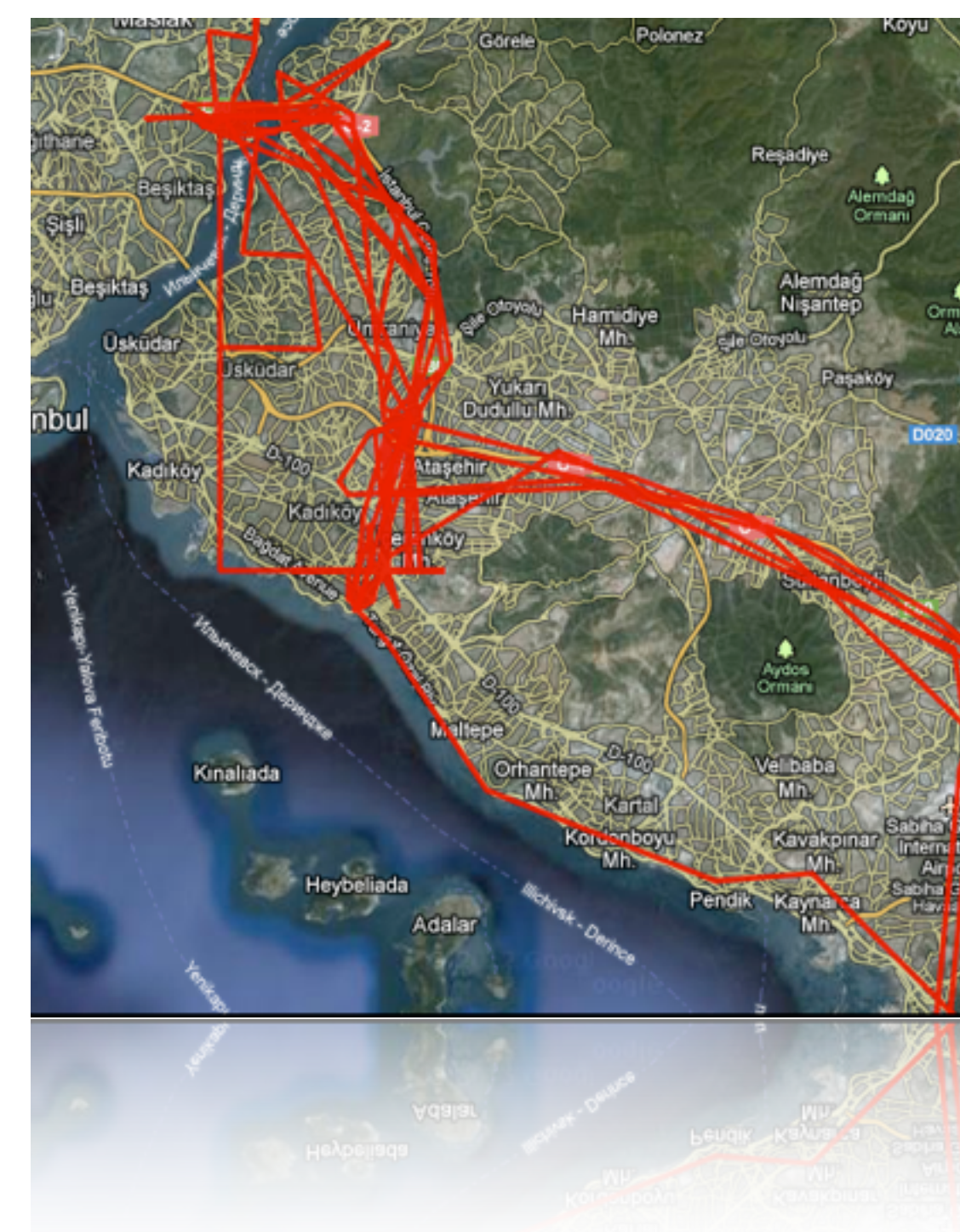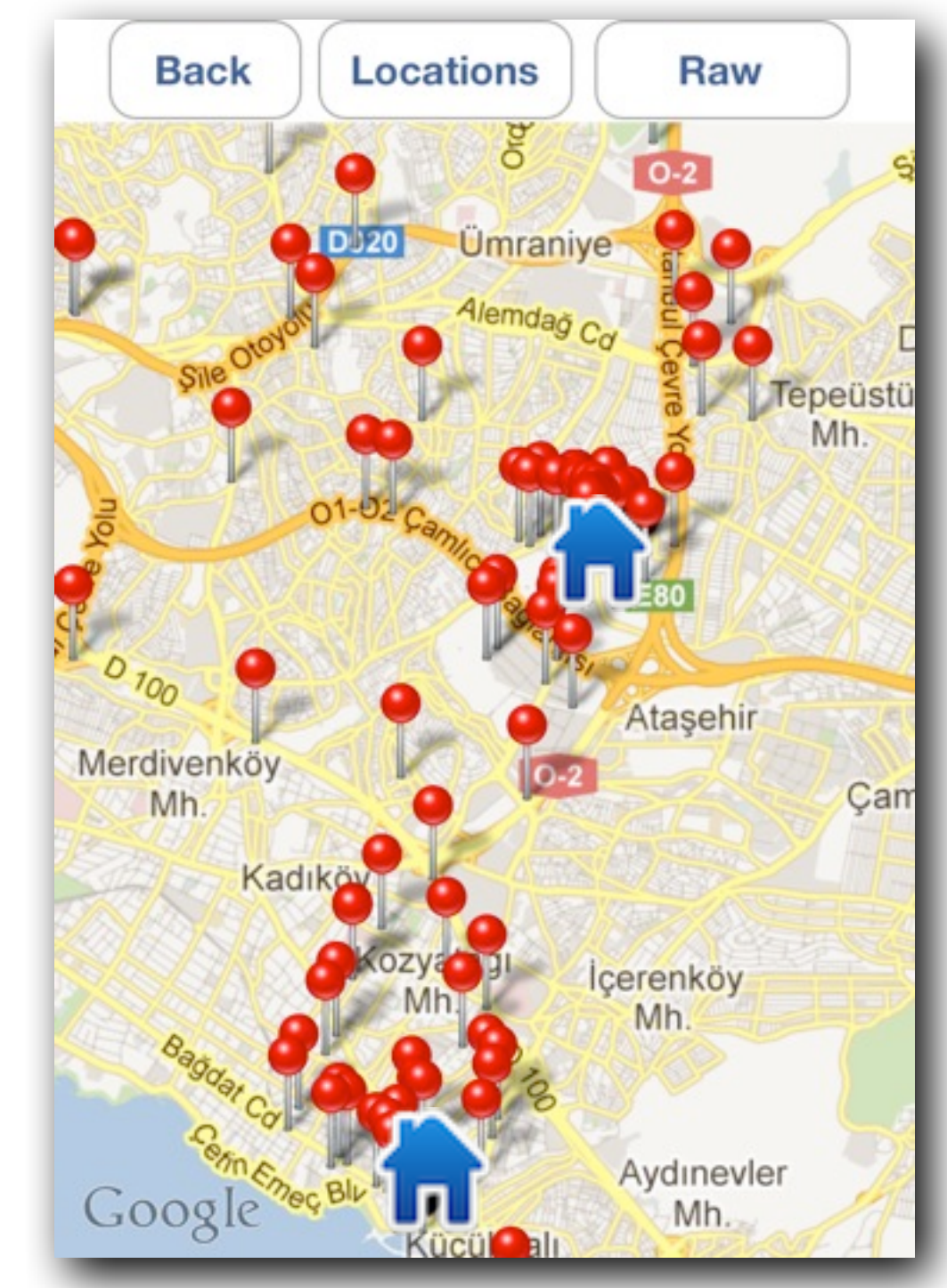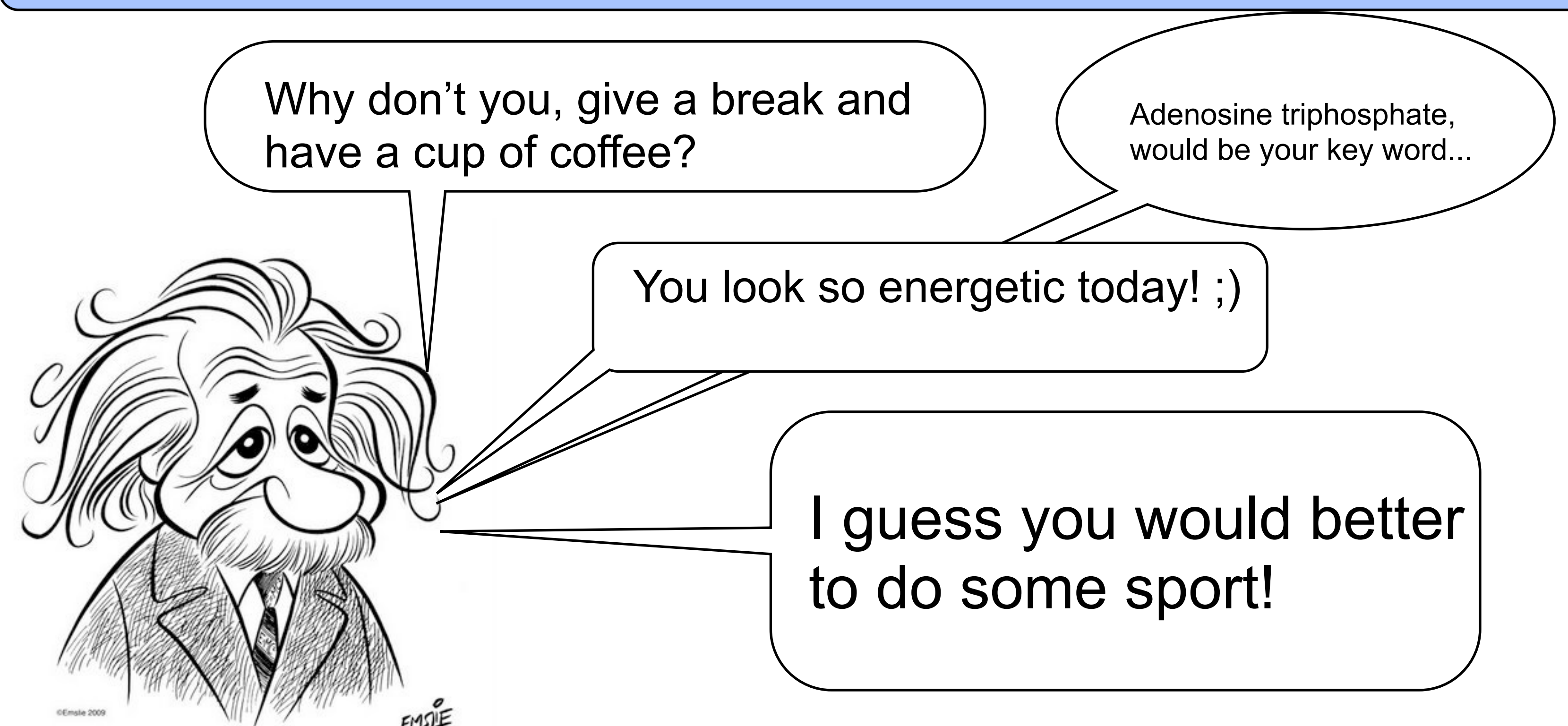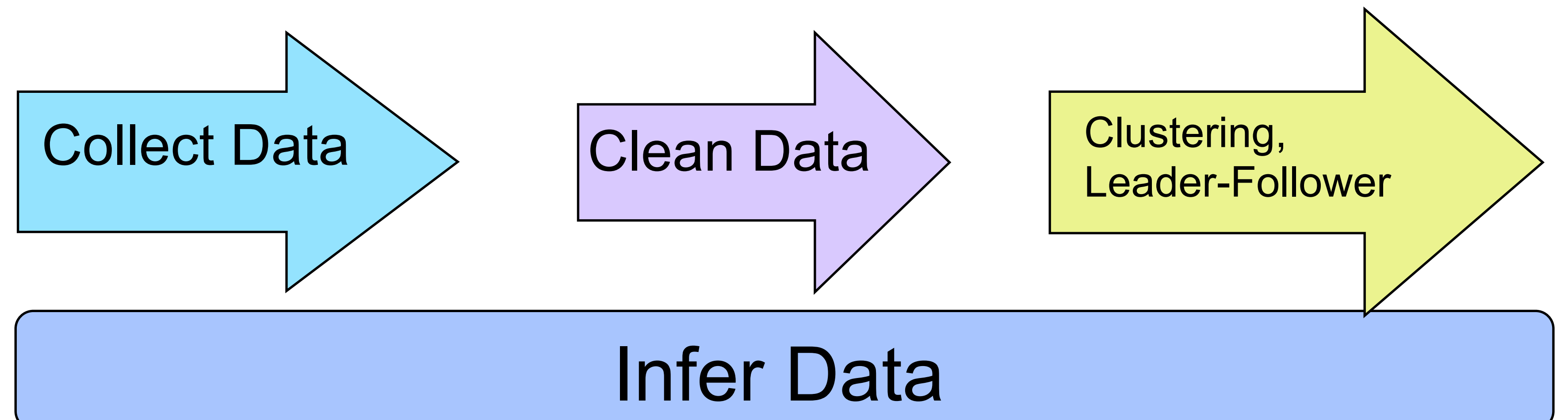
☐ When to pop up message is important, for not bothering the user

☐ Collecting accelerometer data in the background will be evaluated, current method of Apple is not applicable

☐ Google API's can be used for understanding location semantic, in a controlled manner, since GPS data is collected ONLY when a significant change in location is observed. (Apple's algorithm works, when a WIFI point change or base station change.)

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