Codebook of Data Analysis
- Human Activity Recognition of Smartphone (Samsung Galaxy S II)

subject			
Subject	Volunteer to participant experient		
	voicintosi to participant experient	1:	Volunteer No.1
		2:	Volunteer No.2
		3:	Volunteer No.3
		4:	Volunteer No.4
		5:	Volunteer No.5
		6:	Volunteer No.6
		7:	Volunteer No.7
		8:	Volunteer No.8
		9:	Volunteer No.9
		10:	Volunteer No.10
		11:	Volunteer No.11
		12:	Volunteer No.12
		13:	Volunteer No.13
		14:	Volunteer No.14
		15 :	Volunteer No.15
		16:	Volunteer No.16
		17:	Volunteer No.17
		18:	Volunteer No.18
		19:	Volunteer No.19
		20 :	Volunteer No.20
		21 :	Volunteer No.21
		22 :	Volunteer No.22
		23 :	Volunteer No.23
		24 :	Volunteer No.24
		25 :	Volunteer No.25
		26:	Volunteer No.26
		27 :	Volunteer No.27
		28:	Volunteer No.28
		29 :	Volunteer No.29
ootivity.		30 :	Volunteer No.30
activity	Activities to be performed during exp	eriment	
	Activities to be performed during exp	CHILICH	WALKING
			WALKING_UPSTAIRS
			WALKING_DOWNSTAIRS
			SITTING
			STANDING
			LAYING
type			
•	Experiment type		
			Training
			Test
tBodyAcc-mean()-X			
	mean value of Axial X on tBodyAcc		
.=		unit: ຢູ	9
tBodyAcc-mean()-Y			
	mean value of Axial Y on tBodyAcc		_
tDadyAss mass /\ 7		unit: զ	9
tBodyAcc-mean()-Z	mean value of Avial 7 on tRodyAco		
	mean value of Axial Z on tBodyAcc	unit: g	7
tGravityAcc-mean()-X		uriit. Ç	3
taravity too mounty	mean value of Axial X on tGravityAcc	2	

tGravityAcc-mean()-Y		unit: g
- "	mean value of Axial Y on tGravityAcc	unit: g
tGravityAcc-mean()-Z	mean value of Axial Z on tGravityAcc	unit: g
tBodyAccJerk-mean()-2	( mean value of Axial X on tBodyAccJerk	-
tBodyAccJerk-mean()-	Y mean value of Axial Y on tBodyAccJerk	unit: g
tBodyAccJerk-mean()-2	<u>.</u>	unit: g
tBodyGyro-mean()-X	mean value of Axial Z on tBodyAccJerk	unit: g
	mean value of Axial X on tBodyGyro	unit: radians/second
tBodyGyro-mean()-Y	mean value of Axial Y on tBodyGyro	unit: radians/second
tBodyGyro-mean()-Z	mean value of Axial Z on tBodyGyro	unit: radians/second
tBodyGyroJerk-mean()	-X mean value of Axial X on tBodyGyroJerk	
tBodyGyroJerk-mean()	-Y	unit: radians/second
tBodyGyroJerk-mean()	mean value of Axial Y on tBodyGyroJerk -Z	unit: radians/second
tBodyAccMag-mean()	mean value of Axial Z on tBodyGyroJerk	unit: radians/second
ibodyAcciwag-mean()	mean value on tBodyAccMag	unit: g
tGravityAccMag-mean(	) mean value on tGravityAccMag	unit: g
tBodyAccJerkMag-mea	n() mean value on tBodyAccJerkMag	unit. g
tBodyGyroMag-mean()	mean value on tBodyGyroMag	unit: g
tBodyGyroJerkMag-me	an()	unit: radians/second
fBodyAcc-mean()-X	mean value on tBodyGyroJerkMag	unit: radians/second
	mean value of Axial X on fBodyAcc	unit: g
fBodyAcc-mean()-Y	mean value of Axial Y on fBodyAcc	unit: g
fBodyAcc-mean()-Z	mean value of Axial Z on fBodyAcc	-
fBodyAcc-meanFreq()-	X	unit: g

mean value of requency of Axial X on fBodyAcc unit: g fBodyAcc-meanFreq()-Y mean value of requency of Axial Y on fBodyAcc fBodyAcc-meanFreq()-Z mean value of requency of Axial Z on fBodyAcc fBodyAccJerk-mean()-X mean value of Axial X on fBodyAccJerk unit: g fBodyAccJerk-mean()-Y mean value of Axial Y on fBodyAccJerk unit: g fBodyAccJerk-mean()-Z mean value of Axial Z on fBodyAccJerk unit: g fBodyAccJerk-meanFreq()-X mean value of requency of Axial X on fBodyAccJerk fBodyAccJerk-meanFreq()-Y mean value of requency of Axial Y on fBodyAccJerk fBodyAccJerk-meanFreq()-Z mean value of requency of Axial Z on fBodyAccJerk unit: g fBodyGyro-mean()-X mean value of Axial X on fBodyGyro unit: radians/second fBodyGyro-mean()-Y mean value of Axial Y on fBodyGyro unit: radians/second fBodyGyro-mean()-Z mean value of Axial Z on fBodyGyro unit: radians/second fBodyGyro-meanFreq()-X mean value of requency of Axial X on fBodyGyro unit: radians/second fBodyGyro-meanFreq()-Y mean value of requency of Axial Y on fBodyGyro unit: radians/second fBodyGyro-meanFreq()-Z mean value of requency of Axial Z on fBodyGyro unit: radians/second fBodyAccMag-mean() mean value on fBodyAccMag unit: g fBodyAccMag-meanFreq() mean value of requency on fBodyAccMag unit: g fBodyBodyAccJerkMag-mean() mean value on fBodyBodyAccJerkMag unit: g fBodyBodyAccJerkMag-meanFreq() mean value of requency on fBodyBodyAccJerkMag unit: g fBodyBodyGyroMag-mean() mean value on fBodyBodyGyroMag unit: radians/second

fBodyBodyGyroMag-meanFreq() mean value of requency on fBodyBodyGyroMag					
unit: radians/second fBodyBodyGyroJerkMag-mean() mean value on fBodyBodyGyroJerkMag					
unit: radians/second fBodyBodyGyroJerkMag-meanFreq() mean value of requency on fBodyBodyGyroJerkMag					
tBodyAcc-std()-X	std value of Axial X on tBodyAcc	unit: radians/second			
tBodyAcc-std()-Y	std value of Axial Y on tBodyAcc	unit: g			
tBodyAcc-std()-Z		unit: g			
tGravityAcc-std()-X	std value of Axial Z on tBodyAcc	unit: g			
tGravityAcc-std()-Y	std value of Axial X on tGravityAcc	unit: g			
tGravityAcc-std()-Z	std value of Axial Y on tGravityAcc	unit: g			
tBodyAccJerk-std()-X	std value of Axial Z on tGravityAcc	unit: g			
	std value of Axial X on tBodyAccJerk	unit: g			
tBodyAccJerk-std()-Y	std value of Axial Y on tBodyAccJerk	unit: g			
tBodyAccJerk-std()-Z	std value of Axial Z on tBodyAccJerk	unit: g			
tBodyGyro-std()-X	std value of Axial X on tBodyGyro	unit: radians/second			
tBodyGyro-std()-Y	std value of Axial Y on tBodyGyro	unit: radians/second			
tBodyGyro-std()-Z	std value of Axial Z on tBodyGyro	unit: radians/second			
tBodyGyroJerk-std()-X	std value of Axial X on tBodyGyroJerk				
tBodyGyroJerk-std()-Y	std value of Axial Y on tBodyGyroJerk	unit: radians/second			
tBodyGyroJerk-std()-Z	std value of Axial Z on tBodyGyroJerk	unit: radians/second			
tBodyAccMag-std()	std value on tBodyAccMag	unit: radians/second			
tGravityAccMag-std()	std value on tGravityAccMag	unit: g			
	ota raido on taravity/toolviag				

tBodyAccJerkMag-std(		unit: g
ibodyAccoerkinag-sid(	std value on tBodyAccJerkMag	unit: g
tBodyGyroMag-std()	std value on tBodyGyroMag	unity radians/second
tBodyGyroJerkMag-std()		unit: radians/second
fBodyAcc-std()-X	std value on tBodyGyroJerkMag	unit: radians/second
ibodyAcc std()-X	std value of Axial X on fBodyAcc	unit: g
fBodyAcc-std()-Y	std value of Axial Y on fBodyAcc	u g
fBodyAcc-std()-Z	,	unit: g
	std value of Axial Z on fBodyAcc	unit: g
fBodyAccJerk-std()-X	std value of Axial X on fBodyAccJerk	
fBodyAccJerk-std()-Y		unit: g
fDady Asalast atd/\ 7	std value of Axial Y on fBodyAccJerk	unit: g
fBodyAccJerk-std()-Z	std value of Axial Z on fBodyAccJerk	unit: a
fBodyGyro-std()-X	std value of Axial X on fBodyGyro	unit: g
fBodyGyro-std()-Y	sta value of Axial A of Thody dyro	unit: radians/second
.2007.07.00	std value of Axial Y on fBodyGyro	unit: radians/second
fBodyGyro-std()-Z	std value of Axial Z on fBodyGyro	
fBodyAccMag-std()		unit: radians/second
	std value on fBodyAccMag	unit: g
fBodyBodyAccJerkMag	j-std() std value on fBodyBodyAccJerkMag	
fBodyBodyGyroMag-std()		unit: g
fDody Dody Cyro Joyl Ma	std value on fBodyBodyGyroMag	unit: radians/second
fBodyBodyGyroJerkMa	g-std() std value on fBodyBodyGyroJerkMag	unit: radians/second