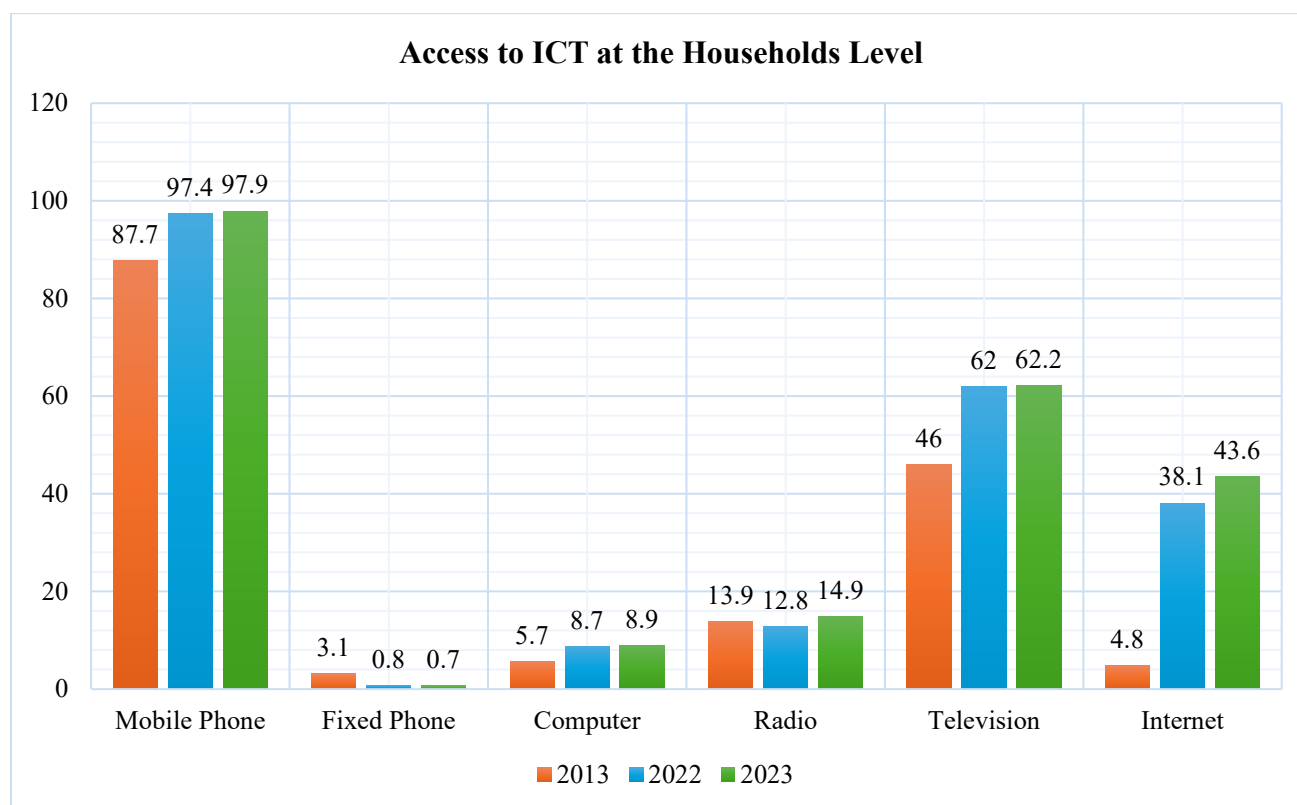


The Impact of ICT on Household Technology Usage: Trends and Shifts

This study provides a comprehensive examination of the utilization of Information and Communication Technology (ICT) in households, in accordance with recent survey data. The inquiry concentrates on the dynamic adoption and utilization trends of several ICT technologies, including computers, internet, mobile phones, and television.

Indicators	2013	2022	2023
Proportion of households with mobile phone	87.7	97.4	97.9
Proportion of households with fixed phone	3.1	0.8	0.7
Proportion of households with computer	5.7	8.7	8.9
Proportion of households with radio	13.9	12.8	14.9
Proportion of households with television	46.0	62.0	62.2
Proportion of households with Internet connection	4.8	38.1	43.6



*Untitled2 [DataSet1] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

Visible: 4 of 4 Variables

	V1	V2	V3	V4	var	var	var	var	var	var
1	Indicators	2013.0	2022.0	2023.0						
2	Proportion of households with mobile phone	87.7	97.4	97.9						
3	Proportion of households with fixed phone	3.1	.8	.7						
4	Proportion of households with computer	5.7	8.7	8.9						
5	Proportion of households with radio	13.9	12.8	14.9						
6	Proportion of households with television	46.0	62.0	62.2						
7	Proportion of households with Internet connection	4.8	38.1	43.6						
8										
9										
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22										

Data View Variable View

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*Untitled2 [DataSet1] - IBM SPSS Statistics Data Editor

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	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
1	V1	String	50	0		None	None	50	Left	Nominal	Input
2	V2	Numeric	5	1		None	None	12	Right	Scale	Input
3	V3	Numeric	5	1		None	None	12	Right	Scale	Input
4	V4	Numeric	5	1		None	None	12	Right	Scale	Input
5											
6											
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Data View Variable View

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*Untitled2 [DataSet1] - IBM SPSS Statistics Data Editor

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3 :

	Indicators
1	Indicators
2	Proportion of households with
3	Proportion of households with
4	Proportion of households with
5	Proportion of households with
6	Proportion of households with
7	Proportion of households with
8	
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19	
20	
21	
22	

Data View Variable View

Analyze

Power Analysis >

Reports >

Descriptive Statistics >

Bayesian Statistics >

Tables >

Compare Means >

General Linear Model >

Generalized Linear Models >

Mixed Models >

Correlate >

Regression >

Loglinear >

Neural Networks >

Classify >

Dimension Reduction >

Scale >

Nonparametric Tests >

Forecasting >

Survival >

Multiple Response >

Missing Value Analysis... >

Multiple Imputation >

Complex Samples >

Simulation... >

Quality Control >

Spatial and Temporal Modeling... >

Direct Marketing >

	V2	V3	V4	var	var	var	var	var	var
	2013.0	2022.0	2023.0						
	87.7	97.4	97.9						
	3.1	.8	.7						
	5.7	8.7	8.9						
	13.9	12.8	14.9						
	46.0	62.0	62.2						
	4.8	38.1	43.6						

Visible: 4 of 4 Variables

IBM SPSS Statistics Processor is ready Unicode:ON

*Untitled2 [DataSet1] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

3 :

	Indicators
1	Indicators
2	Proportion of households with
3	Proportion of households with
4	Proportion of households with
5	Proportion of households with
6	Proportion of households with
7	Proportion of households with
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Data View Variable View

Descriptives...

Power Analysis >

Reports >

Descriptive Statistics >

Bayesian Statistics >

Tables >

Compare Means >

General Linear Model >

Generalized Linear Models >

Mixed Models >

Correlate >

Regression >

Loglinear >

Neural Networks >

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Multiple Response >

Missing Value Analysis... >

Multiple Imputation >

Complex Samples >

Simulation... >

Quality Control >

Spatial and Temporal Modeling... >

Direct Marketing >

	V3	V4	var	var	var	var	var	var
	2022.0	2023.0						
	97.4	97.9						
	.8	.7						
	8.7	8.9						
	12.8	14.9						
	62.0	62.2						
	38.1	43.6						

Visible: 4 of 4 Variables

IBM SPSS Statistics Processor is ready Unicode:ON

IBM SPSS Statistics Processor is ready Unicode:ON

IBM SPSS Statistics Viewer

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Output Log Descriptives

GET DATA
/TYPE=XLSX
/FILE='C:\Users\arkok\Downloads\New Microsoft Excel Worksheet (2).xlsx'
/SHEET=name 'Sheet1'
/CELLRANGE=FULL
/READNAMES=OFF
/DATATYPEMIN PERCENTAGE=95.0
/HIDDEN IGNORE=YES.
EXECUTE.
DATASET NAME DataSet1 WINDOW=FRONT.
DESCRIPTIVES VARIABLES=V2 V3 V4
/STATISTICS=MEAN SUM STDDEV VARIANCE RANGE MIN MAX SEAMEAN KURTOSIS SKEWNESS.

Descriptives

[DataSet1]

Descriptive Statistics

	N	Range	Minimum	Maximum	Sum	Mean	Std. Deviation	Variance	Skewness	Kurtosis
	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Statistic	Statistic
V2	7	2009.9	3.1	2013.0	2174.2	310.600	283.9738	751.3242	564488.020	2.636
V3	7	2021.2	.8	2022.0	2241.8	320.257	283.9162	751.1718	564259.013	2.634
V4	7	2022.3	.7	2023.0	2251.2	321.600	283.8594	751.0214	564033.167	2.634
Valid N (listwise)	7									

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Output Log Correlations

Descriptive Statistics

	Mean	Std. Deviation	N
V2	310.600	751.3242	7
V3	320.257	751.1718	7
V4	321.600	751.0214	7

Correlations

		V2	V3	V4
V2	Pearson Correlation	1	1.000**	1.000**
	Sig. (2-tailed)		<.001	<.001
	Sum of Squares and Cross-products	3386928.120	3385789.770	3384992.600
	Covariance	564488.020	564298.295	564165.433
	N	7	7	7
V3	Pearson Correlation	1.000**	1	1.000**
	Sig. (2-tailed)	<.001		<.001
	Sum of Squares and Cross-products	3385789.770	3385554.077	3384864.850
	Covariance	564298.295	564259.013	564144.142
	N	7	7	7
V4	Pearson Correlation	1.000**	1.000**	1
	Sig. (2-tailed)	<.001	<.001	
	Sum of Squares and Cross-products	3384992.600	3384864.850	3384199.000
	Covariance	564165.433	564144.142	564033.167
	N	7	7	7

** . Correlation is significant at the 0.01 level (2-tailed).

Our data shows that:

Mobile phone ownership rose from 87.7% in 2013 to 97.9% in 2023.

Fixed-line phone usage significantly dropped from 3.1% to just 0.7% during the same period.

Computer ownership saw a moderate increase, from 5.7% in 2013 to 8.9% in 2023.

Internet access rose dramatically, from 4.8% in 2013 to 43.6% in 2023.

Interestingly, radio usage, which had initially declined, showed a slight recover in recent years, likely due to digital integration.

Kousik Biswas Arko

ID: 22-49234-3