

## BDA

In hospital database

volume - collection of hospital database

velocity - patient records, doctor records

variety - Structured data - pharmacy  
Unstructured - Tests

Variety - accuracy & quality

value - research [ how data into insights ]

Hospital- Database	Volume	Velocity	Variety	Variety	Value
[ collection of hospital database ]	[ Store patient result & test result where it generates at high speed ]	[ Struct-all excel data, Semi-log ]	[ Struct-all Unstruct- [Image(Scans)] ]	[ Result accuracy, trust worthiness ]	[ disease deduction, Better treatment, Reduced cost ]

College Database -	Volume	Velocity	Variety	Variety	Value
[ Student records, faculty details, Results, library records ]	[ online exam submission, attendance updation, fees payment ]	[ Struct- Student tables, marks, fees, Semi-forms, Unstruct- Pdf, reports, ID cards, ]	[ Errors in manual entry, outdated info ]	[ Performance analysis, placement prediction ]	

Employee Database -	Volume	Velocity	Variety	Variety	Value
[ Large amt of employee, (peosol, Payroll, attendance) ]	[ Regular updates like attendance, salary processing, promotions ]	[ Struct-tables, Semi-forms, Unstruct- documents ]	[ Accuracy may vary due to Manual entry ]	[ Useful for HR decisions ]	

Social media

Any Technology

Social Media - Instagram -

Volume - Massive amount of posts, photos, videos and comments.

Velocity - Data generated and updated in great time.

Variety - Images, videos, text, reels.

Versatility - Information reliability varies, fake or misleading content exist.

Value - Useful for marketing, trend analysis.

Technology - AI

Volume - Large datasets used for training & learning.

Velocity - Data processed & updated in great time.

Variety - Text, audio, video, images.

Versatility - Data quality may vary, noisy.

Value - Enables automation, prediction & smarter decision.