# Spreadsheets versus Relational Data Model Data Management and Business Performance Management

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## Spreadsheets versus Relational Data Model

- Relational data model essentially tabular data
- Spreadsheets already provide tabular data
- Differences?
- Why switch from spreadsheets to relational databases
- Migration

# Example - Room Management in Excel



4	A	В	C	D	E
1	RoomNo	Level	NoOsSeats	Equipment	Kind
2	D105	2	280	Whiteboard, Beamer, Sound	Lecture Room
3					
4					
5					
6					
7					
8					
0					

4	A	В	С	D	E	
1	RoomNo	Level	NoOsSeats	Equipment	Kind	
2	C340	3	1		Office	
3	C420	4	1		Office	
4	C701	7	1		Office	
5	C825	8	2		Office	
6						
7						
8						
0						
		TA_A TA	C TA_D	WH_PBH	· ·	



#### Discussion of Excel Solution

- Understandability
- Integrity enforcement / consistency
- Redundancy
- Handling auf large volumes of data
- Analytics

## Relational Data Model for Room Management

