
Human Computer Interaction

Human Errors

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What exactly are slips?

- Slips are the result of automatic behavior.
- Slips are always small things.
- A misplaced action.
- A desired action undone.

Types of Slips :

- ☐ Capture Errors.
- ☐ Description errors.
- ☐ Data-Driven errors.
- ☐ Associative activation errors.
- ☐ Loss-of-activation errors.
- ☐ Mode errors.

□ Capture errors :

- When the effect of previous work becomes static in short term memory, the impact of previous work falls on the current work when the next work is completed.

Example:

Most of the case, when I go to the market to buy something, I usually look at the price tag first (bangla). The price was written 420 tk. (bdt), but I assumed it was 820 because Bengali number 4 and English number 8 both appear similar. I believe it was a capture mistake.

❑ Description errors :

- Description errors are most common when the incorrect and correct objects are physically close to each other.

Example:

When I make a cup of tea and add a teaspoon of sugar to it. Sugar and salt packets were both in the same location. I once made the mistake of taking salt instead of sugar. Because sugar and salt have the same appearance. That is Error in description.

❑ Data-driven errors:

- When the stm is overloaded, it applies to the current / moving head with no new memory, resulting in this data drive error.

Example:

When I'm writing something like an essay while listening to music, I sometimes inadvertently write the song's lyrics instead of what I planned to write.

❑ Associative activation errors :

- Similar to data-driven error, but this time an internal, semantic mismatch occurs.

Example:

Naming a file with the intended recipient's name rather than the subject title.

❑ Loss-of-activation errors :

- One of the most common blunders is simply failing to do something.

Example:

I frequently open my messenger for text-related reasons, such as searching a group. However, when I entered Messenger, an interesting post appeared! I quickly forgot why I had opened the messenger.

❑ Mode errors :

- When devices have multiple modes of operation, the action proper for one mode has distinct implications in other modes, resulting in mode mistakes.
- **Example:**

My electricity would occasionally go out. I frequently press the washroom light switch while going to the restroom, even though I knew the electricity was turned off.