Black Box Thinking: Why Most People Never Learn from Their Mistakes--But Some Do

By Matthew Syed

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**Nobody wants to fail. But in highly complex organizations, success can happen only when we confront our mistakes, learn from our own version of a black box, and create a climate where it's safe to fail.
?**
We all have to endure failure from time to time, whether it's underperforming at a job interview, flunking an exam, or losing a pickup basketball game. But for people working in safety-critical industries, getting it wrong can have deadly consequences. Consider the shocking fact that preventable medical error is the third-biggest killer in the United States, causing more than 400,000 deaths every year. More people die from mistakes made by doctors and hospitals than from traffic accidents. And most of those mistakes are never made public, because of malpractice settlements with nondisclosure clauses.

For a dramatically different approach to failure, look at aviation. Every passenger aircraft in the world is equipped with an almost indestructible black box. Whenever there's any sort of mishap, major or minor, the box is opened, the data is analyzed, and experts figure out exactly what went wrong. Then the facts are published and procedures are changed, so that the same mistakes won't happen again. By applying this method in recent decades, the industry has created an astonishingly good safety record.

Few of us put lives at risk in our daily work as surgeons and pilots do, but we all have a strong interest in avoiding predictable and preventable errors. So why don't we all embrace the aviation approach to failure rather than the health-care approach? As Matthew Syed shows in this eye-opening book, the answer is rooted in human psychology and organizational culture.

Syed argues that the most important determinant of success in any field is an acknowledgment of failure and a willingness to engage with it. Yet most of us are stuck in a relationship with failure that impedes progress, halts innovation, and damages our careers and personal lives. We rarely acknowledge or learn from failure—even though we often claim the opposite. We think we have 20/20 hindsight, but our vision is usually fuzzy.

Syed draws on a wide range of sources—from anthropology and psychology to history and complexity theory—to explore the subtle but predictable patterns of human error and our defensive responses to error. He also shares fascinating stories of individuals and organizations that have successfully embraced a black box approach to improvement, such as David Beckham, the Mercedes F1 team, and Dropbox.

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Black Box Thinking: Why Most People Never Learn from Their Mistakes--But Some Do By Matthew Syed Bibliography

- Sales Rank: #16578 in Books
- Brand: Portfolio

- Published on: 2015-11-03
- Released on: 2015-11-03
- Original language: English
- Number of items: 1
- Dimensions: 9.30" h x 1.10" w x 6.30" l, 1.00 pounds
- Binding: Hardcover
- 336 pages

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Editorial Review

Review
Praise for *Black Box Thinking*

"Mathew Syed has issued a stirring call to redefine failure. Failure shouldn't be shameful and stigmatizing, he explains. Instead, he shows that failure can be exciting and enlightening — an essential ingredient in any recipe for success. Full of well-crafted stories and keenly deployed scientific insights, *Black Box Thinking* will forever change the way you think about screwing up."
—**DANIEL PINK,** author of *Drive and To Sell Is Human*

Praise for *Bounce*

"Insightful and entertaining"
—**DAN ARIELY**, author of *Predictably Irrational*

"The most important book I've read over the past six months."
—**PETER ORSZAG**, economist, in *The New York Times*

"A fascinating subject and Syed is a dazzling writer."
—**OWEN SLOT**, *The Times London*

"Everything Mathew Syed Writes is worth reading."
—**LYNN TRUSS**, bestselling author of *Eat, Shoots & Leaves*

About the Author
Matthew Syed is a columnist and feature writer for *The Times* of London and frequently contributes to the BBC as a radio and television commentator. His previous book, *Bounce,* was an international bestseller. He has won numerous awards for his journalism and is an in-demand public speaker for organizations such as Goldman Sachs, BP, Rolls-Royce, and Oxford University. He lives in London.

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