

### Slide 3 — Habituation foundation

Thompson, R. F., & Spencer, W. A. (1966). *Habituation: a model phenomenon for the study of neuronal substrates of behavior*. *Psychological Review*, 73(1), 16–43.

<https://pubmed.ncbi.nlm.nih.gov/5324565/>

Rankin, C. H., et al. (2009). *Habituation revisited: An updated and revised description of the behavioral characteristics of habituation*. *Neurobiology of Learning and Memory*, 92(2), 135–138.

<https://pubmed.ncbi.nlm.nih.gov/18854219/>

### Slide 4 — Why experience doesn't equal vigilance

Hunter, D. R. (2002). *Risk Perception and Risk Tolerance in Aircraft Pilots* (Report No. DOT/FAA/AM-02/17). Washington, DC: Federal Aviation Administration, Office of Aerospace Medicine. [https://rosap.ntl.bts.gov/view/dot/57933/dot\\_57933\\_DS1.pdf](https://rosap.ntl.bts.gov/view/dot/57933/dot_57933_DS1.pdf)

NASA Aviation Safety Reporting System. (2017, March). *No Place for Complacency*.

CALLBACK Issue 446. [https://asrs.arc.nasa.gov/docs/cb/cb\\_446.pdf](https://asrs.arc.nasa.gov/docs/cb/cb_446.pdf)

### Slide 5 — Familiarity itself impairs attention + Avemco data

Yanko, M. R., & Spalek, T. M. (2013). *Route familiarity breeds inattention: A driving simulator study*. *Accident Analysis & Prevention*, 57, 80–86. Free full-text version (Yanko's SFU master's thesis containing the same experiment):

[https://summit.sfu.ca/\\_flysystem/fedora/sfu\\_migrate/9678/ETD4702.pdf](https://summit.sfu.ca/_flysystem/fedora/sfu_migrate/9678/ETD4702.pdf)

Avemco Insurance Company. (2013). *Safety Newsletter* (data on taxi accident rates among pilots with 2,500+ hours, cited in deck via sponsor relationship). <https://www.avemco.com/>

### Slide 6 — How fast familiarity breeds inattention

Charlton, S. G., & Starkey, N. J. (2012). *Does Familiarity breed inattention? Why drivers crash on the roads they know best*. Proceedings of the Australasian Road Safety Research, Policing and Education Conference, 4–6 October 2012, Wellington, New Zealand. Free full-text PDF (from your uploaded copy; the original archive.acrs.org.au mirror is no longer live, but the paper is indexed at the University of Waikato research repository):

<https://researchcommons.waikato.ac.nz/handle/10289/7860>

Young, A. H., Mackenzie, A. K., Davies, R. L., & Crundall, D. (2018). *Familiarity breeds contempt for the road ahead: The real-world effects of route repetition on visual attention in an expert driver*. *Transportation Research Part F*, 57, 4–9. Free full-text PDF (Nottingham Trent University repository, author post-print):

[https://irep.ntu.ac.uk/id/eprint/32637/1/PubSub10143\\_Crundall.pdf](https://irep.ntu.ac.uk/id/eprint/32637/1/PubSub10143_Crundall.pdf)

### Slide 7 — How habituation becomes operational error

Grundmann, C. C., Arndt, V. A., Ebrahimi, C., Musial, M. P. M., Bode, E. L., Schlagenhaut, F., & Endrass, T. (2025). *Studying human habit formation through motor sequence learning*. *Cognitive, Affective, & Behavioral Neuroscience*, 25(4), 941–951. Free full-text (open access, PubMed Central): <https://pmc.ncbi.nlm.nih.gov/articles/PMC12356714/>

**Note:** Slide 7 currently shows this as "Endrass et al." in the footer. The strict APA citation is "Grundmann et al., 2025" — Endrass is the senior (last) author, not the lead author. Worth correcting in the footer if you republish the deck or use it in the research brief.

### **Slide 8 — Organizational layer (books, not papers)**

Vaughan, D. (1996). *The Challenger Launch Decision: Risky Technology, Culture, and Deviance at NASA*. University of Chicago Press. Publisher page: <https://press.uchicago.edu/ucp/books/book/chicago/C/bo3624576.html> Library borrowing (Internet Archive controlled digital lending): <https://archive.org/details/challengerlaunch0000vaug>

Snook, S. A. (2000). *Friendly Fire: The Accidental Shootdown of U.S. Black Hawks over Northern Iraq*. Princeton University Press. Publisher page: <https://press.princeton.edu/books/paperback/9780691095189/friendly-fire> Library borrowing (Internet Archive controlled digital lending): <https://archive.org/details/friendlyfireacci0000snoo>

### **Slide 11 — AMT data**

Harper, R., & Bliss, T. (2023). *Identification, Evaluation, and Causal Factor Determination of Maintenance Errors Common to Major U.S. Certificated Air Carriers*. *Collegiate Aviation Review International*, 41(1), 56–74. Free full-text (open access): <https://ojs.library.okstate.edu/osu/index.php/CARI/article/view/9419>

### **Slide 12 — ATC monotony**

Straussberger, S. (2006). *Monotony in Air Traffic Control: Contributing Factors and Mitigation Strategies* (EUROCONTROL Experimental Centre Note No. 15/06). Brétigny-sur-Orge, France: EUROCONTROL. Free full-text PDF (EUROCONTROL): [https://www.eurocontrol.int/sites/default/files/library/019\\_Monotony\\_in\\_ATC.pdf](https://www.eurocontrol.int/sites/default/files/library/019_Monotony_in_ATC.pdf)

### **Slide 13 — Bedford anchor accident**

National Transportation Safety Board. (2015). *Aircraft Accident Report NTSB/AAR-15/03: Runway Overrun During Rejected Takeoff, Gulfstream Aerospace Corporation G-IV, N121JM, Bedford, Massachusetts, May 31, 2014*. Washington, DC: NTSB. Free full-text PDF (NTSB): <https://www.nts.gov/investigations/accidentreports/reports/aar1503.pdf>