



Scala First: Lessons from 3 student generations

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Who is Bjorn Regnell?

- Professor in Software Engineering
- Dept. of Computer Science, Engineering Faculty LTH, Lund University, Sweden
- Research focus: Software Requirements Engineering
- Scala programmer since 2011
- Teaching Scala first in primary school since 2011
- Teaching Scala first at university level since 2016
- <http://cs.lth.se/bjorn-regnell>

Scala first lessons

Agenda:

- Why Scala first?
- Implementing Scala first @ Lund University
- What did we learn?
- The road ahead

Why Scala first?



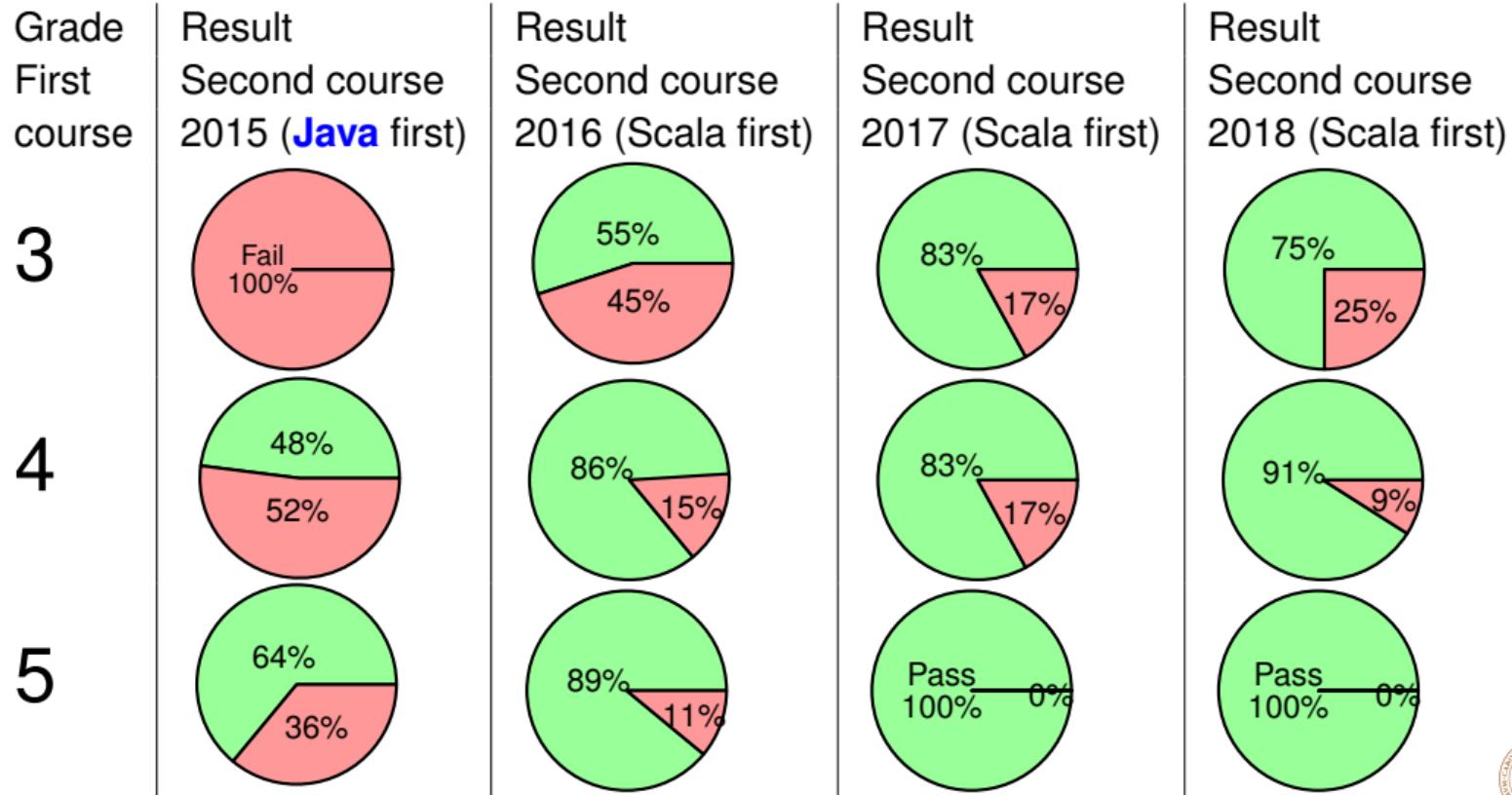
About our Scala students

- Enrolled at the 5 year program in Computer Science & Engineering (CSE)
- Around 19 years old
- Taking their first programming course in their first semester
- Around 70% has programmed before (C#, Java, Python, Javascript, ...)
- Very big span of pre-knowledge

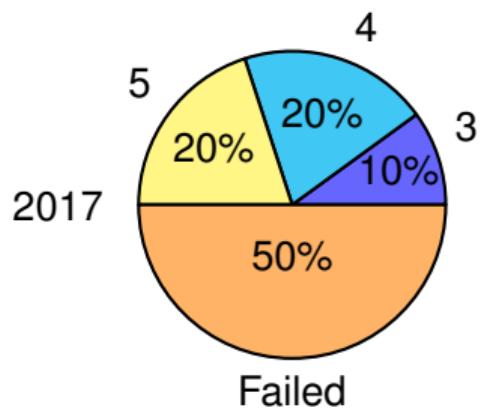
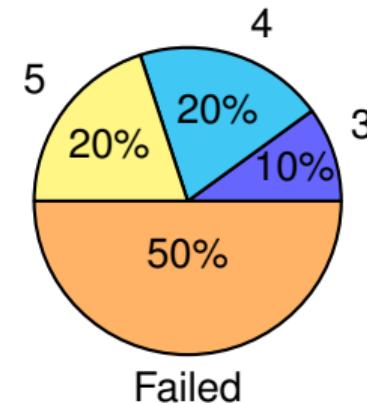
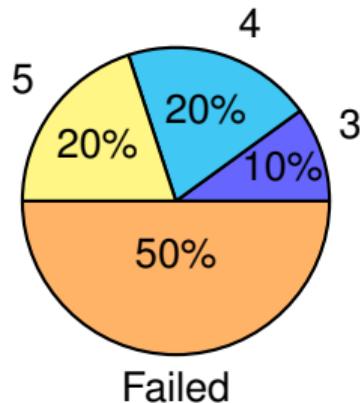
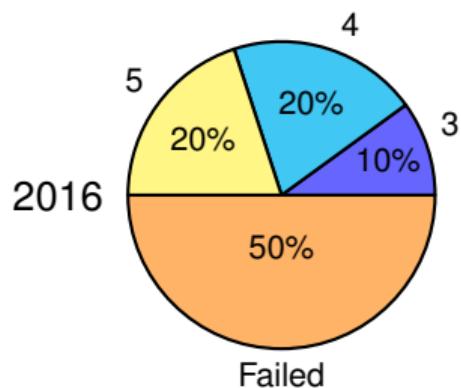
History of first languages at Lund University

First languages for CSE students at LTH:

(Algol)	(pre-history using punch cards)
Pascal	1982, CSE program started
Simula	1990
Java	1997
Scala	2016



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