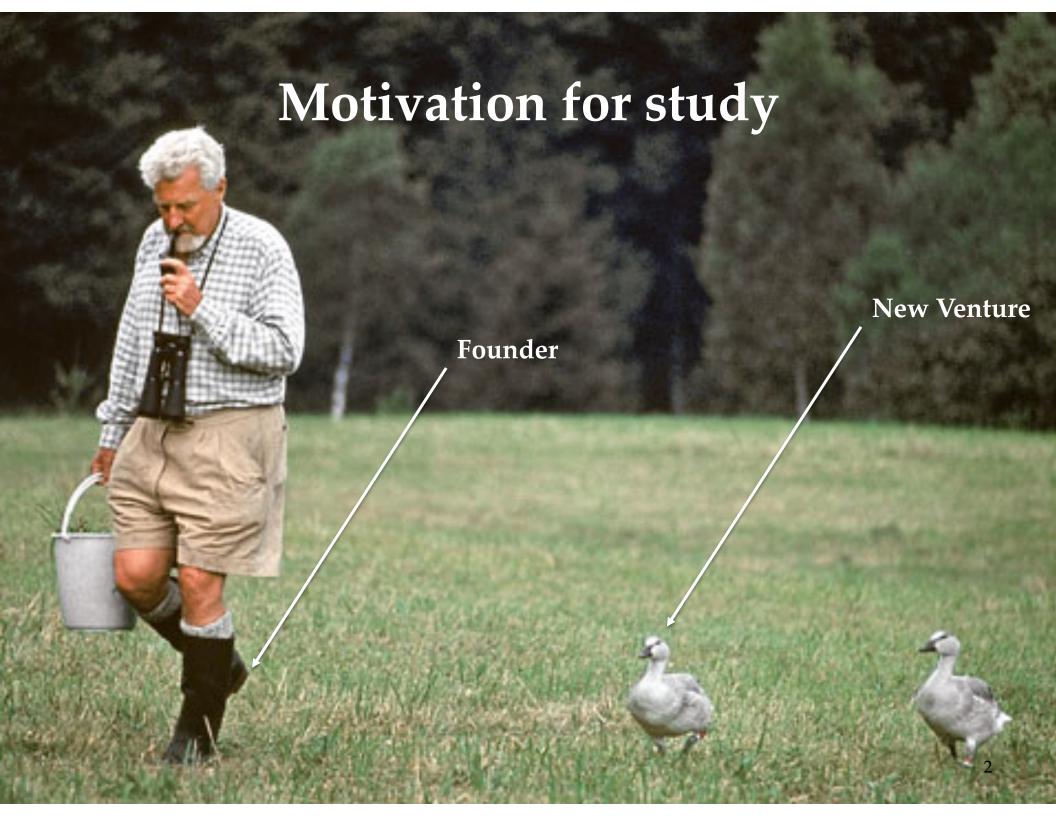


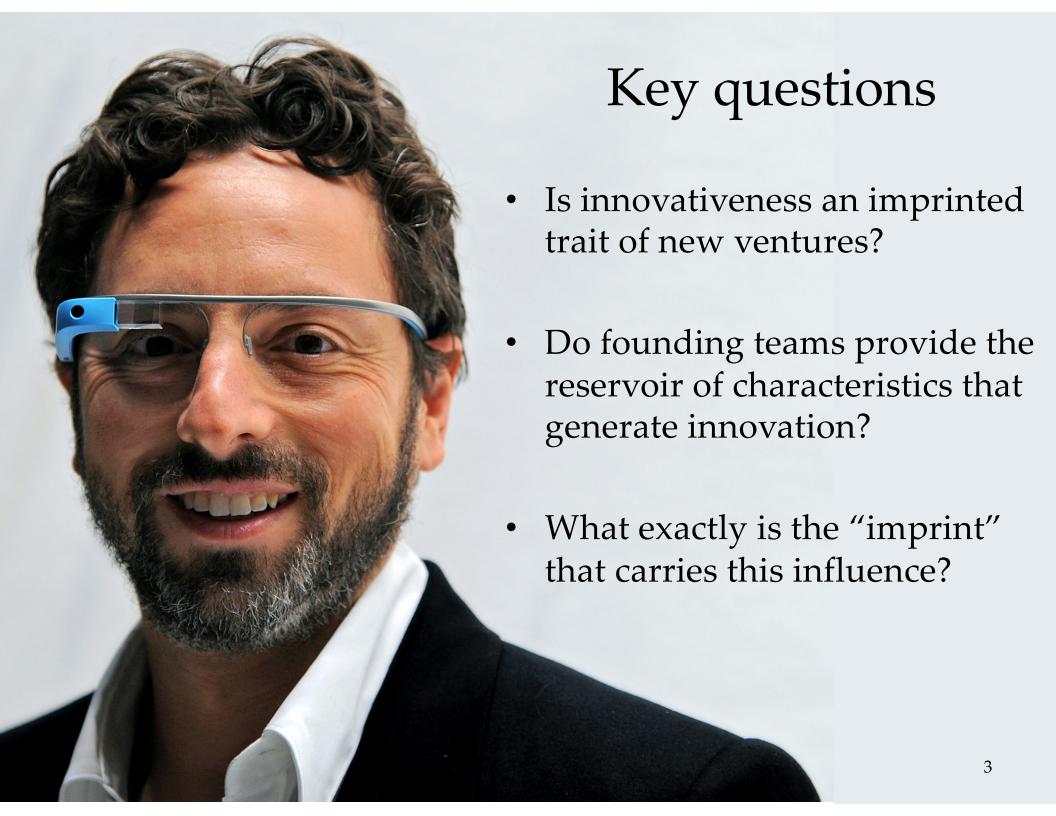
The Genesis of Innovative Ventures: A Founding Team Imprinting Perspective



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Imprinting

Imprinting is a process "whereby, during a brief period of susceptibility,

a **focal entity** develops characteristics that reflect **prominent features of the environment**

and these characteristics **continue to persist** despite significant environmental changes in subsequent periods" (Marquis & Tilcsik, 2013:199).





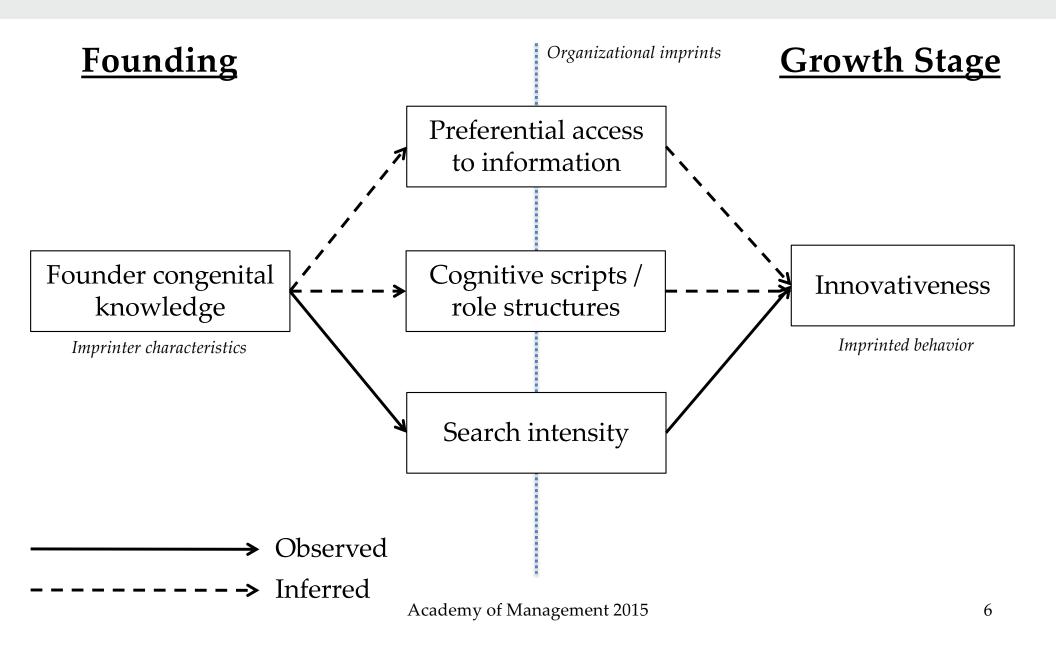




- What specific mechanisms link the past with the present?



Conceptual model



Founding team congenital knowledge

Preferential access to information

 Within industry experience provides situated knowledge and basis for absorbing new information

Role structures

 Education allows for cross-functional role structures that perpetuate due to constraints

Cognitive scripts

 Outside startup experience imbues cognitive scripts that value diverse knowledge, encoded in routines

H1: Founding team congenital knowledge has an imprinting effect on new venture innovativeness, such that more congenital knowledge implies greater innovativeness in the growth phase.

Search intensity as an observable imprint

Search intensity

- Educated teams more likely to invest in R&D
- Startup experience indoctrinates experimentation
- Industry experience allows for distal, cognitive search
- Search to innovation relationship well established

H2: The imprinting influence of founding team congenital knowledge on new venture innovation in the growth phase is partially mediated by search intensity.

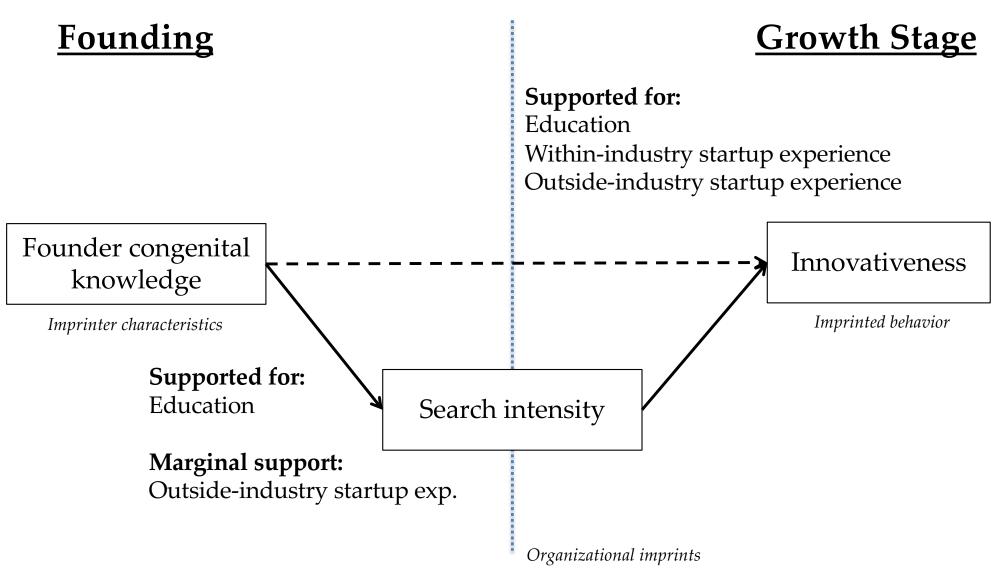
Empirical setting

- Data from the Kauffman Firm Survey (KFS)
 - Captures a cross section across US regions and industries
 - Firms surveyed from 2004 until 2011
 - High-tech and women owned businesses oversampled
- Missing data
 - Attrition between start and fifth follow-up (n = 4,928 -> 2,408)
 - Attrition between fifth and sixth follow-up ($n = 2,408 \Rightarrow 2,012$)
 - Non-response on various variables (n = 2,012 -> 1,462)
- Descriptive statistics
 - Median of 550 observations per census region (4)
 - Median of 55 observations from each industry sector (19)

Measures

Construct	Variable	Time
New venture innovativeness	Factor with three indicators: New product introductions, new processes, and R+D spending (RMSEA=.038, CFI=.981, TLI=.971)	2011
Congenital knowledge	Average founding team education, number of outside-industry startups, average founding team industry tenure, number of prior within-industry startups	2004-05
Search intensity	Formative variable with three components: supply, demand, and geographic	2005-2010
Controls	Industry, census region, average age, number of owners, number of hours worked, sales distribution, high-tech status, size (# employees), credit risk, prior performance	

Summary of results



Supplemental tests

- Founding team turbulence:
 - Change in founding team composition (~20% of cases)
 - Relationship between:
 - search intensity and innovativeness diminishes
 - general congenital knowledge (education and outside industry startup experience) strengthens
 - Within-industry congenital knowledge diminishes
- Model robustness
 - Insufficient evidence to conclude selection bias exists from first to fifth followup (Heckman approach)
 - Search intensity exhibits stability over time (b = .284, p < .01)





- Show that innovativeness depends upon founding conditions
- Generate further questions regarding underlying mechanisms
- Provide a three part bridge between imprinter, imprint, and imprinted entity



