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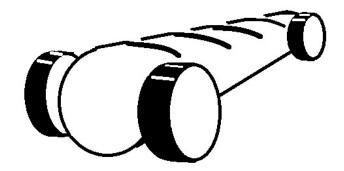
Research at the University of Minnesota

Fast and Farro-ous Presentation

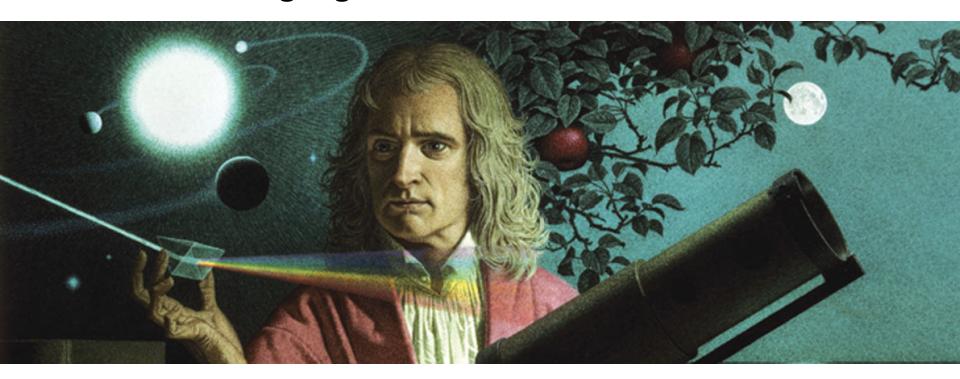
Why research chefs?

 Results from our first study

Ongoing research



Calculus is the language of physics; Food is the language of nutrition.



Industry vs. Chefs

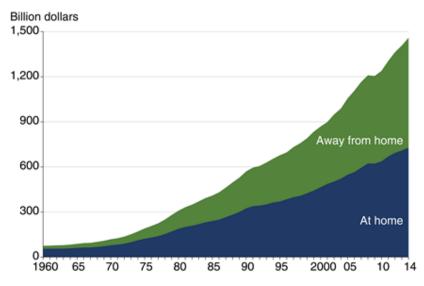
- Many layers
 - Change is slow and calculated
- Large investments
 - Get equipment
 - Get materials
- Do you like to gamble?



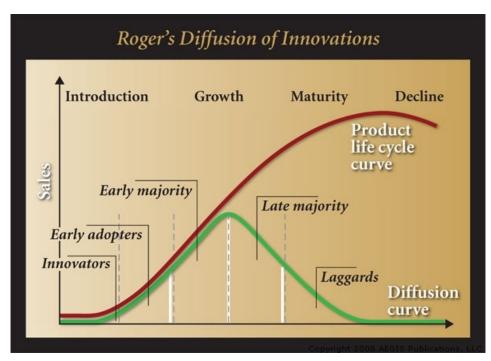
- Free to experiment
 - Change is required to be competitive (Ottenbacher)
- Weekday specials
 - Learn skills
 - Given materials
- Valued for innovation
 - Chefs as designers (Kudrowitz)
 - Chefs as informal researchers
 - Demographics
 - Customer IWs
 - Focus groups (staff, friends, family)

Why independent chefs?

Food-at-home and away-from-home expenditures in the United States, 1960-2014



Source: USDA, Economic Research Service, Food Expenditure Series.



Chefs can give us unique new ideas

- Authenticity
- Perspective
 - Health, variety, etc.
- How do we train chefs vs. food sci vs. nutr?
 - art vs. design vs. science?
- Substitution and manipulation
- Functional Fixedness
 - tendency to use objects only for traditional purposes
 (as opposed to finding new uses to solve a problem)

Lendway, W., Hesse, D., & Marquart, L. (2014). Minneapolis/St. Paul Chefs' Attitudes and Behaviors Regarding Whole Grain Use. *Journal of Foodservice Business Research*, 17(2), 122-135.

Abstract

The objective of this study was to examine use, barriers, and opportunities for serving whole grains in independently operated Twin Cities restaurants. Twenty chefs from independent Twin Cities restaurants were interviewed about their menu design, perceptions, of and use of whole grain foods. Transcripts were independently coded and thematically analyzed by two researchers. Themes including menu design, advantages and disadvantages of using whole grains, chefs' perceived needs regarding whole grain promotion, types of whole grains used, and potential uses for whole grains are presented. This study addressed concepts relative to whole grain use in restaurants and potential research to help promote whole grain availability, use and consumption, along with future implications.

Thematic Highlights:

- Menu Design (not specific to WG)-
 - Primarily availability
 - Secondarily consumer demand/demographic
 - Also...
 - creating variety and balance
 - factors related to the chef or establishment type
 - prices
 - health
 - Need to promote grains as Midwest local food!

Thematic Highlights:

- Whole Grain Advantages-
 - Primarily sensory attributes (texture and flavor)
 - Secondarily health qualities
 - Also
 - Cost and
 - Adding variety/balance

Thematic Highlights:

- Whole Grain Disadvantages:
 - Primarily consumer issues
 - Neophobia
 - Wrong demographic
 - Secondarily lack of skills and knowledge
- Needs
 - Build consumer demand/awareness
 - Provide info, demos and history

Ongoing Research

- Elucidating chefs' creative processes from ingredient upward
- How these processes/models can transfer to training students and professionals in food science, nutrition and culinary
- How this processes/models can help SNAP participants add variety to the diet

References

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