

# launch \_code

Lin, Education Operations Manager

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# Learning Styles and Strategies

for Immersive CodeCamp St. Louis



# Introduction

- Individuals differ in how they learn.
- People prefer different learning techniques and habits.
- Learning styles group common ways that people learn.
- Everyone has a mix of learning styles.
- A variety of learning style models present differing views on how learning styles should be defined and categorized.



# Questionnaire

## Index of Learning Style

4 dimensions with each having 2 opposite categories

Active

Reflective

Sensing

Intuitive

Visual

Verbal

Sequential

Global



# Result Overview

If your score for a dimension is:

1-3: fairly balanced with a mild preference for one or the other

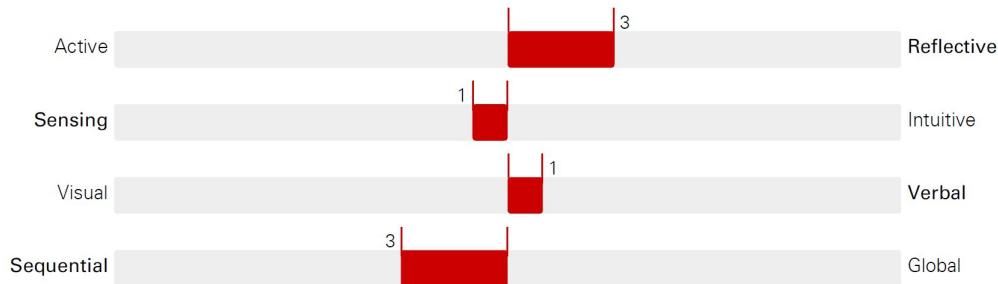
5-7: moderate preference for one category of that dimension

9-11: strong preference for one category of that dimension

**There is NO right mix!**

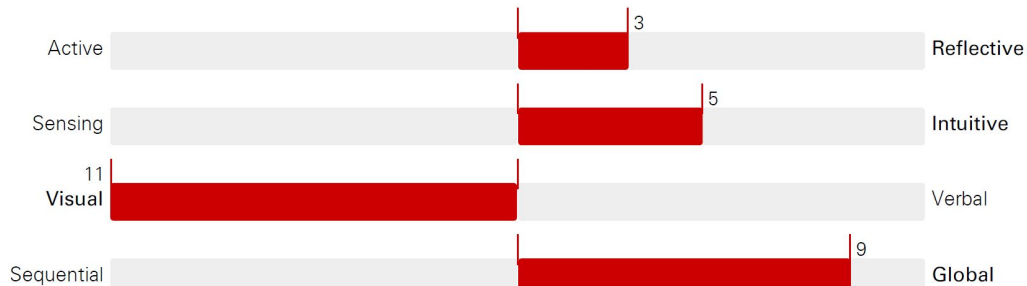
## Questionnaire Results for Lin Wang:

➤ Reflective: 3 ➤ Sensing: 1 ➤ Verbal: 1 ➤ Sequential: 3



## Questionnaire Results for Scott Thomas:

➤ Reflective: 3 ➤ Intuitive: 5 ➤ Visual: 11 ➤ Global: 9



# Active / Reflective

## Active Learners

- Learn best by doing something active (applying, discussing, explaining)
- Prefer working in groups

## Reflective Learners

- Like thinking about it quietly first
- Prefer working alone



# Cheryl scores high in Active

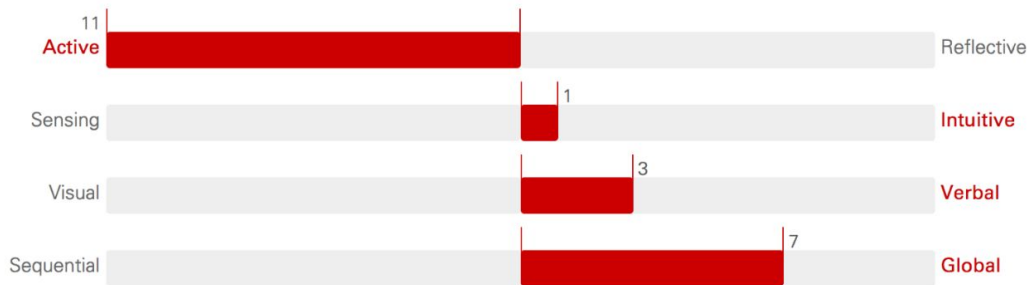
- Cheryl would zone out in a lecture unless she takes notes
- For active learner, REPL (reading-eval-print-loop) is really useful.
- Code review is hard for her to just read and contemplate. Instead, she pulls it down from Github and test it.
- When reading a book on coding, she codes along.



Questionnaire Results for Cheryl Schaefer:

➤ Active: 11 ➤ Intuitive: 1 ➤ Verbal: 3 ➤ Global: 7

Cheryl, Software Engineer @ LaunchCode



# Sensing / Intuitive

## Sensing Learners

- Tend to like learning facts
- Like solving problems with established methods
- Don't like complications and surprises
- More likely to be patient with details

## Intuitive Learners

- Like to discover possibilities and relationships
- Like innovations
- Don't like repetitions
- May be better at grasping new concepts





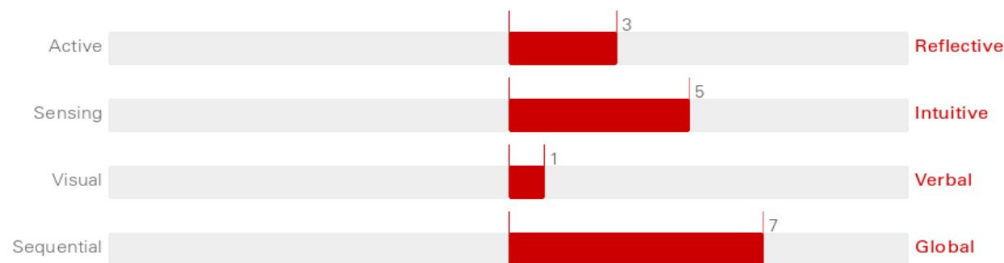
# Eliot scores high in Intuitive

- He is never good at closely following steps.
- He is good at trying things out
- He understands conceptually by applying.
- He likes to do a combination of things and then understands the rule of the system

Questionnaire Results for Eliot:

➤ Reflective: 3 ➤ Intuitive: 5 ➤ Verbal: 1 ➤ Global: 7

Eliot, Software Engineer @ LaunchCode



# Visual / Verbal

## Visual Learners

- Remember best what they see - pictures, diagrams, flow charts, time lines, movies and demos.

## Verbal Learners

- Get more out of words - written or spoken explanations



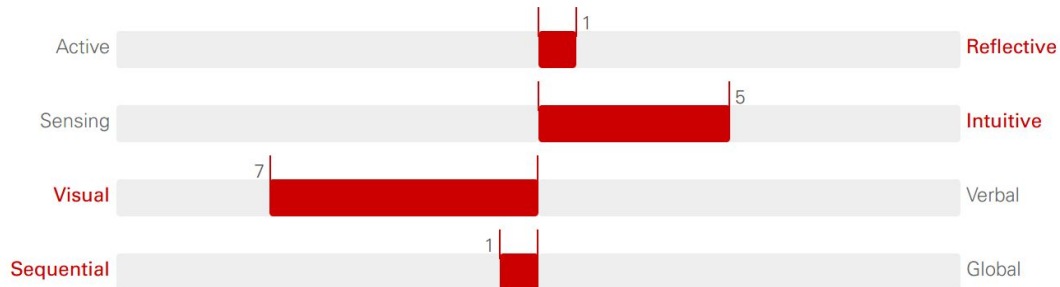
# Dave scores high in Visual

- Math didn't make sense to him until they started graphing functions.
- He likes to see visual representation of the database schema here at LaunchCode



Dave, Software Engineer @ LaunchCode

> Reflective: 1 > Intuitive: 5 > Visual: 7 > Sequential: 1



# Sequential / Global

## Sequential Learners

- Tend to gain understanding in linear steps
- Follow logical stepwise paths in finding solutions

## Global Learners

- Tend to learn in large jumps, absorbing material almost randomly
- May be able to solve complex problems quickly or put things together in a novel way



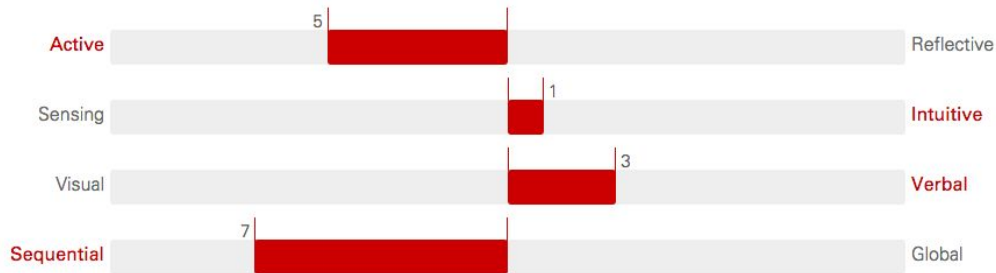
# Sally scores high in sequential

- An outline of the class/lecture is really helpful for Sally.
- She often makes her own study guides to organize course content.
- The study guides are often in the order of time or some other order that makes sense to her.
- She loves lists

Questionnaire Results for Sally Lemkemeier:

Sally, Education Associate @ LaunchCode

➤ Active: 5 ➤ Intuitive: 1 ➤ Verbal: 3 ➤ Sequential: 7



# Kathy scores high in global

- Kathy likes understanding the big picture, and seeing overviews of the whole system, before getting into the little parts.
- When Kathy is learning, she likes to know some high level facts before diving into details.
- When working on something, she tries to understand the problem better before solving it.



Questionnaire Results for **Kathy Heffern**:

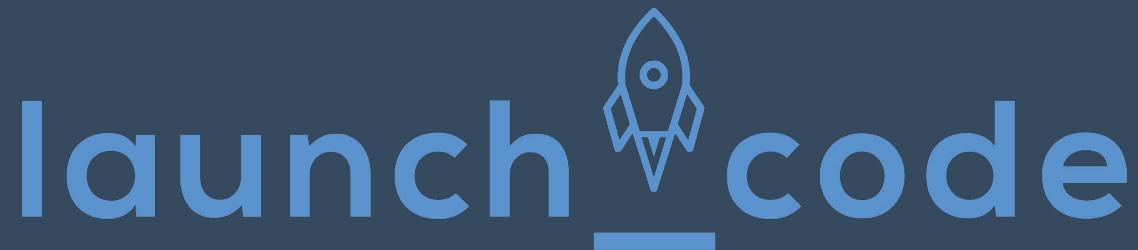
➤ Reflective: 1 ➤ Intuitive: 5 ➤ Visual: 1 ➤ Global: 5

Kathy, Software Engineer @ LaunchCode



# Discussion





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