Feedback on Midterm Examination

• Initial Scoring: $M = 31.63$ (63.2%), $SD = 9.15$
  – Reliability (Coefficient Alpha) = .79
• 4 “Bad” Items: 6, 12, 13, 15
  – Rescored, Full Credit to All Students
• Rounded Final Score Up
• Rescoring: $M = 39.06$ (78%), $SD = 6.83$

Distribution of Midterm Scores

Requests for Regrades

• In Writing to the GSI Who Scored Item
  – 1-7, Amanda; 8-15, Yael
• Paragraph
  – Your Answer Is As Good or Better than Guide
• Fresh Rescore – New Score May Be Lower
• Don’t Ask for ½ Point
  – Exam Total Scores Already Rounded Up

Social vs Nonsocial Cognition
Qualitative Differences

• Object of Perception as Sentient Being
  – Intelligence, Consciousness
  – Counteracting Impression Formation
  • Impression Management, Strategic Self-Presentation
• Neuroscientific Doctrine of Modularity
• Subject-Object Distinction
  – Self as Knower
  – Self as Object of Knowledge

William James on the Self

James (1890), pp. 1, 221

Psychology is the science of mental life.

Every thought tends to be part of a personal consciousness…. It seems as if the elementary psychic fact were not thought or this thought or that thought but my thought, every thought being owned….

On these terms the personal self rather than the thought might be treated as the immediate datum in psychology. The universal conscious fact is not “feelings and thoughts exist” but “I think” and I feel”….
The Self in Social Psychology

Funder (2013); Gilovich et al. (2013); Taylor & Fiske (2013)

- Self-Actualization
- Self-Adaptors
- Self-Affirmation
- Self-Hypnosis
- Self-Inversion
- Self-Awareness
- Self-Categorization Theory
- Self-Congruity
- Self-Conception
- Self-Conflict
- Self-Concept
- Possible Self
- Personal Self
- Self-Schemas
- Working Self-Concept
- Self-Conscious Emotions
- Self-Control
- Self-Determination
- Self-Dissimilation
- Self-Distancing Theory
- Self-Esteem
- Self-Efficacy
- Self-Enhancement
- Self-Estimate
- Self-Expansions
- Self-Knowledge
- Self-Limitation
- Self-Monitoring
- Self-Perception
- Self-Protective Style
- Self-Restructuring
- Self-Regard
- Self-Rejection
- Ideal Self and Ought Self
- Self-Affirmation
- Self-Evaluation Maintenance
- Self-Efficacy
- Self-Referencing
- Self-Relevance Knowledge
- Self-Reports
- Self-Schemas
- Self-Selection
- Self-Transcendence
- Self-Verification Theory

Aspects of Selfhood

James (1890)

- Material Self
  - Body, Family Relations, Possessions
- Social Self
  - Self as Viewed by Others
- Spiritual Self
  - Emotions, Drives

Gordon Allport on the Self

Allport (1961), p. 128

This puzzling problem arises when we ask, “Who is the I who knows the bodily me, who has an image of myself and sense of identity over time, who knows that I have propriate strivings?”

I know all these things and, what is more, I know that I know them.

But who is it who has this perspectival grasp…?

It is much easier to feel the self than to define the self.

Forms of Mental Representation

Anderson (1995)

- Perception-Based
  - Represent Physical Appearance of Object/Event
  - Spatio-Temporal Relations
  - Analog: “Mental Image”
- Meaning-Based
  - Abstracted from Perceptual Details
  - Meaning, Categorization
  - Propositional: Verbal Description

The Self as a Knowledge Structure

Mental Representations of Oneself

- Meaning-Based
  - Self as Concept
- Perception-Based
  - Self as Image

The Self

Kihlstrom & Cantor (1984)

- Mental Representation of Oneself
  - Attributes of Which One is Aware
- Includes
  - Traits (Characteristic Behaviors)
  - Emotions, Attitudes
  - Goals, Values
  - Appearance
  - Demographics
  - Possessions
  - Relationships with Others
The Self as a Concept

• List of Attributes
  – Characteristic of Ourselves
  – Differentiate Ourselves From Other People
• Not Merely Self-Esteem

Assessment of Self-Concept

• Adjective Check List
  – Rate Descriptiveness
  – Problems
  • Shared vs. Distinctive
  • Critical vs. Trivial Attributes

  But too many trait terms!

H. Markus, 1977

Self-Schema

• Self-Ratings on Trait Adjectives
  – Self-Descriptiveness
  – Importance to Self-Concept
• Self-Schematic
  – Extremely Descriptive (High or Low)
  – Extremely Important
• Aschematic
  – Moderate on Descriptiveness
  – Unimportant to Self-Concept

The Self-Schema Confounds Descriptiveness and Importance

Burke, Kraut, & Dworkin (1984)

<table>
<thead>
<tr>
<th>Importance</th>
<th>Low</th>
<th>Medium</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>Schematic</td>
<td>Aschematic</td>
<td>Schematic</td>
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<tr>
<td>Low</td>
<td>Aschematic</td>
<td>Aschematic</td>
<td>Aschematic</td>
</tr>
</tbody>
</table>

Proper Balance of Descriptiveness and Importance in the Self-Schema

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</tbody>
</table>

The Self as a Conceptual Structure

Classical View
Prototype View
Exemplar View
Theory View
Organization of Self-Concept

As Proper Set
- Set Consisting of One Instance
  - Summary of Personality
  - Features that Set Oneself Apart From All Others
- Defining Features
  - Singly Necessary, Jointly Sufficient to...
  - Distinguish Oneself From Others
- Inherits All the Problems of Classical View

Organization of Self-Concept

As Prototype
- Summary Description of Self
- Self Represented by Category Prototype
  - Shares Family Resemblance with Instances
- Characteristic Features
  - Tend to Set Oneself Apart From All Others
- But Prototype of What?
  - Each Self Unique
  - What is the Nature of Family Resemblance?

The “Looking-Glass Self”
Cooley (1902)
The self consists of whatever attributes are associated with first-person pronouns….
Each person possesses as many selves as there are significant others in his or her social environment.

Self in Symbolic Interactionism
Mead (1934)
A person has as many selves as there are social roles for him or her to play.

Self and Family Resemblance
- Self Not Unitary, Monolithic
  - Multiplicity of Selves
- Context-Specific Self-Concepts
  - What We are Like in Various Situations
- Represent Contextual Variability in Behavior
- Prototype Abstracted from These Instances

Hierarchy of Selves
Exemplar View of Self

- Self with Friends
- Self with Family
- Self with Significant Other
- …

No Hierarchy of Selves

Context-Specific Selves

Self with Friends
Self with Family
Self with Significant Other

Self in Multiple-Personality Disorder
Dissociative Identity Disorder

- Patient Possesses Different Identities
  - Each Associated with Different Autobiographical Memories
- Interpersonality Amnesia
  - Asymmetrical

Interpersonality Amnesia in 
The Three Faces of Eve
Thigpen & Cleckley (1954, 1957)

Eve White
Jane
Eve Black

Self as Theory of Oneself
Epstein (1973)

The self-concept is a self-theory. It is a theory that the individual has unwittingly constructed about himself as an experiencing, functioning individual, and it is part of a broader theory which he holds with respect to his entire range of significant experience.

Theory-Based Concepts of Self

- “Survivor” or “Recovery” Movements
  - Holocaust
  - Alcoholic
  - Child Abuse
- “Child of X” Movements

This Is What I’m Like
This is How I Got This Way
The Self as a Knowledge Structure

*Mental Representations of Oneself*
- Meaning-Based Representations
  - Self as Concept
- **Perception-Based Representations**
  - Self as Image

Self-Image
Schilder (1938)
The picture of our own body which we form in our mind, the way in which the body appears to ourselves.

**Perception-Based Representations in Social Cognition**
- Visual Images of Familiar People
- Auditory Images of Voices
- Judgments Based on Visual Information
  - Age
  - Gender
  - Power (Babyfacedness)
- The Face as a Social Stimulus
  - Point of Contact
  - Information about Emotional States, Deception

Body Schema
Head (1926)
- Postural Model of Body
  - Maintain Stability
  - Adjust to Environment
- Distortions in Prism-Adaptation
- Internal Representation of Body, Parts
  - Independent of Immediate Sensory Stimulation

Facial Image Preference
Mita et al. (1977)
- Mere-Exposure Effect (Zajonc, 1968)
  - Preference Judgments
  - Frequency of Exposure
- Facial Images
  - Other: True Image
    - As in Photograph
  - Self: Reversed Image
    - As in Mirror

Which Picture Do You Prefer?
Facial Image Preference

- Facial Photographs of Women
  - Original
  - Mirror-Reversed
- Acquaintance Should Prefer Original
  - As She Usually Sees Her
- Person Should Prefer Mirror Reversal
  - As She Sees Herself in Mirror

Preference of Targets and Acquaintances

Clinical Anomalies of Body Image

- Acute Schizophrenia
- Eating Disorder
- Body Dysmorphic Disorder
- Phantom Limb in Amputees
- Autotopagnosia (Pick, 1922)
  - Body-Image Agnosia, Somatotopagnosia

Methods for Studying Body Image

- Draw-a-Person Technique
- Body-Image Aberration Scale
- Body-Image Assessment
Body-Image Aberration Scale
Chapman, Chapman, & Raulin (1978)

- Unclear Body Boundaries
  - “Sometimes I have had the feeling that I am united with an object near me”
- Feelings of Unreality or Estrangement of Parts of One’s Body
  - “I have sometimes felt that some part of my body no longer belongs to me”
- Feelings of Deterioration of One’s Body
  - “I have sometimes had the feeling that my body is decaying inside”
- Perceptions of Change in One’s Body Parts
  - Size, Relative Proportions, Spatial Relationships
  - “My hands or feet sometimes seem far away”
- Changes in the Appearance of the Body
  - “Occasionally it has seemed as if my body had taken on the appearance of another person’s body”

Desirable Body Shape
Fallon & Rozin (1985)

- College Undergraduates
- Body-Image Assessment
  - Line Drawings of Male/Female Bodies
    - In Swimsuits
    - Range From Thin to Not-Thin
- Choice
  - Current Body
  - Ideal Body
  - Attractive
  - Attractive to Opposite Sex

Generational Study
Rozin & Fallon (1988)

- Body-Image Assessment
- Family Study
  - Mothers and Daughters
  - Fathers and Sons

Body Image in Eating Disorder
Zeller et al. (1989)

- College Undergraduates
- Eating Attitudes Test
  - Women Classified by EAT
    - High (Panel A) vs. Low (Panel B)
  - Men (Panel C)
- Body-Image Assessment
  - Current vs. Ideal
Eating Disordered

Non-Eating Disordered

Men

Body-Image Disturbance in Bulimia
Williamson et al. (1989)

- Body-Image Assessment
  - Current Body Size
  - Ideal Body Size
- Bulimic vs. Normal Women
  - Statistically Matched for Actual Weight

Current and Ideal Body Perception
Williamson et al. (1989)

Body-Distorting Technique

- Adjustable ("Fun House") Mirrors
- Computer Morphing Software

Body Image in Schizophrenia

- Adjustable Body-Distorting Mirror
Adjustable Body-Distorting Mirror

- Top of Mirror Convex
  - Head Elongated
  - Shoulders Sloping
- Top of Mirror Concave
  - Head Broadened
  - Shoulders Padded
- Bottom of Mirror Concave
  - Legs Dwarfed
  - Feet Spread
- Bottom of Mirror Convex
  - Legs Elongated
  - Tiny Feet

Body Perception in Schizophrenia
Traub et al. (1967)

Frame Perception in Schizophrenia
Traub et al. (1967)

Body-Image Assessment Software
Letosa-Porta, Ferrer-Garcia, & Gutierrez-Maldonado (2005)

Body Image Distortion in Eating Disorder
Ferrer-Garcia et al. (2008)

Adolescent Body Morphing Tool
Aleong et al. (2007)
Adolescent Body Image

Aleong et al. (2009)

- 182 Normal Adolescent Males and Females
- Match Subjects to Image in Database
  - Height, Weight, BMI
- Distort Image
  - Especially Hips, Thighs, Calves
- Psychophysical Measures
  - Point of Subjective Equality
    - How Accurate is Body Image
  - Difference Limen
    - How Much Morphing Required to Detect Difference

Accuracy of Perceived Body Size

Aleong et al. (2009)

![Chart](chart.png)

Difference Limen

Aleong et al. (2009)

![Chart](chart.png)

Self-Perception vs. Other-Perception

The “Dove Beauty Sketches” (2013)

http://www.youtube.com/user/doveunitedstates

The Self as a Knowledge Structure

Mental Representations of Oneself

- Meaning-Based
- Representation
  - Self as Concept
- Perception-Based Representation
  - Self as Image
- **Self as Memory**

Memory Reveals Character

- **Freudian Psychoanalysis** (Breuer & Freud, 1893-1895)
  - “Hystersics Suffer from Reminiscences”
    - Experience Decisive for Personality
    - Experiences Encoded in Memory
    - Repression of Trauma, Conflict
    - Recovery of Repressed Memories
- **Adlerian Individual Psychology** (Adler, 1932)
  - Memories Selected to Correspond with Life Style
  - Memories Express Life Style
  - Memories Support Life Style When Challenged
  - Memories Change When Life Style Changes
The Self as a Memory Structure

- Verbal (Propositional)
- Episodic
  - Specific Experiences, Actions
- Semantic
  - Generic Characteristics

Memory and Identity
Locke, an Essay Concerning Human Understanding (1690)
Klein & Nichols (2012)

“[A]s far as consciousness can be extended backwards to any past action or thought, so far reaches the identity of that person; it is the same self now as it was then; and it is by the same self with this present one that now reflects on it, that that action was done.”

Hume’s Objection to Locke
Hume (1739); Klein & Nichols (2012)

- No Enduring Self
- Impression of Identity Created by Memory
  - Recollection of Past Episodes
  - Includes Knowledge and Belief Based on Inferences

Reid’s Objection to Locke
Reid (1785); Klein & Nichols (2012)

- Brave Officer Paradox
  - Suppose a brave officer [A] to have been flogged when a boy at school for robbing an orchard, [B] to have taken a standard from the enemy in his first campaign, and [C] to have been made a general in advanced life;
  - suppose, also, which must be admitted to be possible, that [B] when he took the standard, he was conscious of [A] his having been flogged at school,
  - and that, [C] when made a general, he was conscious of [B] his taking the standard but had absolutely lost consciousness of [A] the flogging
- Based on Transitivity
  - If the Person Who Did B Remembers Doing A
  - And the Person Who Did C Remembers Doing B
  - Then the Person Who Did C Also Did A
    - Regardless of Whether He Remembers It

The Case of Millvina Dean

- Last Survivor of the Titanic
  - 9 Weeks Old on April 14, 1912
  - Father Died, Mother Survived
- Died on May 31, 2009
  - 98th Anniversary of Launching
  - Brother Also Survived Disaster (Age 2)
    - Died on April 14, 1992 (80th Anniversary of Shipwreck)
- No Memory of Sinking
  - Learned About Titanic at Age 8

Representation of Self in Amnesia

- Episodic Memory
  - Specific Behaviors
- Semantic Memory
  - General Characteristics
The Case of K.C.  
Tulving (1993)

- Motorcycle Accident at Age 30
- Amnesia
  - Anterograde
  - Retrograde
- Personality Change
  - Premorbid, Extraverted
  - Postmorbid, Introverted

Ratings of K.C.’s Postmorbid Personality

- K.C.’s vs. Mother’s Ratings of K.C.
  - $Q = .77$
- K.C.’s vs. Mother’s Ratings of Mother
  - $Q = .80$

K.C.’s Personality  
Premorbid vs. Postmorbid

- 2-Alternative Forced Choice
  - Matched items for social desirability
- Reliability of K.C.’s “Post” ratings
  - 76% agreement
- Mother’s ratings of K.C. “Pre” vs. “Post”
  - 50% agreement (chance)
- K.C. “Post” vs. Mother “Post”
  - 73% agreement
- K.C. “Post” vs. Mother “Pre”
  - 53% agreement (chance)

Associative Structure  
of Person Memory

James Bartlett  
Rescued the Kitten  
Kind  
Thoughtless  
Caused the Accident  
Rescued the Kitten

Associative Structure  
of James Bartlett’s Self

I / Me / My / Mine

- Kind
- Thoughtless
- Caused the Accident
- Rescued the Kitten

Name: James Bartlett  
Look Like:

Memory Representations of Episodic and Semantic Self-Knowledge

- A. Independence
  - Wanted to be with others
  - Liked stranger
  - Extraverted
  - Went to pieces under stress
  - Felt tense and jittery
  - Neurotic

- B. Hierarchical
  - Wanted to be with others
  - Liked stranger
  - Extraverted
  - Went to pieces under stress
  - Felt tense and jittery

- C. Computational
  - Wanted to be with others
  - Liked stranger
  - Extraverted
  - Went to pieces under stress
  - Felt tense and jittery

- D. Analogical
  - Wanted to be with others
  - Liked stranger
  - Extraverted
  - Went to pieces under stress
  - Felt tense and jittery

- E. Hierarchical
  - Wanted to be with others
  - Liked stranger
  - Extraverted
  - Went to pieces under stress
  - Felt tense and jittery

- F. Computational
  - Wanted to be with others
  - Liked stranger
  - Extraverted
  - Went to pieces under stress
  - Felt tense and jittery

- G. Analogical
  - Wanted to be with others
  - Liked stranger
  - Extraverted
  - Went to pieces under stress
  - Felt tense and jittery

- H. Hierarchical
  - Wanted to be with others
  - Liked stranger
  - Extraverted
  - Went to pieces under stress
  - Felt tense and jittery

- I. Computational
  - Wanted to be with others
  - Liked stranger
  - Extraverted
  - Went to pieces under stress
  - Felt tense and jittery

- J. Analogical
  - Wanted to be with others
  - Liked stranger
  - Extraverted
  - Went to pieces under stress
  - Felt tense and jittery
**Self Judgments**

- **Priming Paradigm**
  - Performance of One Task Facilitates Performance of Another Task
  - Provided that Tasks Overlap
- **Trait Terms as Stimulus Materials**
  - Describes Self
  - Recall Autobiographical Memory
  - Define Term

**Implications of Priming Studies**
- **Priming Within Knowledge Categories**
  - Semantic (Traits) ➔ Semantic
  - Episodic (Behaviors) ➔ Episodic
- **No Priming Across Knowledge Categories**
  - Semantic / Episodic
  - Episodic / Semantic

**Conscious Recollections**
Kihlstrom (2009)

- **Recollective Experience**
  - Remembering
  - Knowing
  - Feeling
  - Believing?
- **Unconscious Autobiographical Memories?**
  - Freudian Trauma-Memory Argument
    - Repression
    - Dissociation
Propositional Representation of Experience
After Anderson (1976)

A hippie touched a debutante.

Hippie    S    O    Debutante

Touched

Long dirty hair
Drives VW Bus
Smokes Marijuana

Long blonde hair
Drives Porsche
Drinks Martinis

Consciousness in Memory
James (1890)

• The first element which such a knowledge involves would seem to be the revival in the mind of an image or copy of the original event. . . .
• [But] a farther condition is required before the present image can be held to stand for a past original.
• That condition is that the fact imaged be expressly referred to the past, thought as in the past. . . .

Propositional Representation of Experience
After Anderson (1976)

A hippie touched a debutante in the park on Thursday.

Hippie    S    O    Debutante

Touched

Place    S

Park    O

Time    S

is     Thursday

Consciousness in Memory
James (1890)

• But even this would not be a memory.
• Memory requires more than the mere dating of a fact in the past. It must be dated in my past.
• In other words, I must think that I directly experienced its occurrence.
• It must have that "warmth and intimacy" . . . characterizing all experiences "appropriated" by the thinker as his own.

Propositional Representation of Experience
After Anderson (1976)

I saw a hippie touch a debutante in the park on Thursday.

Self    S    R    Saw

Hippie    S    O    Debutante

Touched

Place    S

Park    O

Time    S

is     Thursday

The Self as a Knowledge Structure

Mental Representations of Oneself

• Self as Concept
• Self as Image
• Self as Memory
• Self as Story
Story Model of Knowledge Representation
Schank & Abelson (1995)

- All Human Knowledge is Based on Stories
  - Constructed Around Past Experiences
- New Experiences are Interpreted in Terms of Old Stories
- Reconstituted Memories Form the Basis of the Remembered Self
- Shared Story Memories Within Social Groups Define Particular Social Selves

The “Memoir Boom”
Atlas (1996); Yagoda (2009)

- History
  - 1st-Person Narrator in Fiction
  - 19th, early 20th Centuries
    - Memoirs About Other People
  - Late 20th Century
    - Memoirs about Oneself
    - 1st-Person Academic Writing
- “Performance of Self” (Bernard Cooper, 1999)

Autobiographical Memory

- Episodic Memory
  - Unique Spatiotemporal Location
- Self-Reference
  - Agent vs. Patient, Stimulus vs. Experiencer
  - Cognitive, Emotional, Motivational State
- “Aristotelian” Plot Structure
  - Chronological Sequence

Temporal Organization
Kihlstrom (2009)

- Internal
  - Beginning, Middle, End
- External
  - Temporal Relations to Other Events
  - Chunking

The Autobiographical Knowledge Base

- Lifetime Periods
  - General Knowledge re: Distinct Periods of Time
    - Thematic Knowledge
    - Temporal Knowledge
    - Attitudes, Self-Evaluation
- General Events
  - Repeated Events, Mini-Histories
- Event-Specific Knowledge
  - Semantic/Verbal
  - Sensory-Perceptual (Flashbulbs/Flashbacks)
The Self-Memory System  
Conway & Pleydell-Pearce (2000)

- Conjunction of AKB with Working Self  
  - Analogous to Working Memory  
  - Activated Self-Schema  
  - Current Personal Goals  
  - Current Emotional Experiences  
- Superordinate  
  - Subsumes both Working Self and AKB  
- Emergent  
  - Requires Interaction of Working Self and AKB

Construction of ABMs  
Conway & Pleydell-Pearce (2000)

- Direct Retrieval of Event-Specific Knowledge  
  - Cues Activate Representations in ESK  
  - Map Onto Particular Lifetime Period  
  - Activation Spreads to Goals of Working Self  
  - Thereafter, to General and then Specific Events  
- Generative Retrieval after Norman & Bobrow (1979)  
  - Elaborate Cue, Set Verification Criteria  
  - Match Description to Memory Records  
  - Accessed Records Matched Against Criteria  
  - Repeat as Necessary

Distribution of Memories Across the Lifespan  
(Hypothetical)  
Conway & Pleydell-Pearce (2000)

Explaining Lifespan Memory  
Conway & Pleydell-Pearce (2000)

- Recency Effect  
  - Needs No Special Explanation  
  - Time-Dependency Principle  
- Infantile & Childhood Amnesia  
  - Disjunction Between Childhood, Adult Goals  
  - Or (More Likely) Pure Cognitive Effect  
- Reminiscence Bump  
  - Events Critical for Formation of Stable Self  
  - Late Adolescence and Early Adulthood  
  - But Reminiscence Bumps at Other Times, Too

Temporal Organization in ABM  
Kihlstrom (1979); Crovitz (1970), Robinson (1976)

- Temporal Sequencing in Narrative Recall  
  - Disrupted in Posthypnotic Amnesia  
- Temporal Gradient in “Galton’s Walk”  
  - ABMs Cued by Familiar Words

An Inverted U-Shaped Function  
Robinson (1976)
Serial, Backwards, Self-Terminating Search?

- Robinson (1976)
  - Remote Memories Unrepresentative
    - Highly Salient, thus Quickly Retrieved
- Chew (1979; Kihlstrom et al., 1988)
  - Control Both Cue and Epoch

Is Temporal Organization Qualified by Chunking?

- What's the letter of the alphabet after B?
- What's the letter of the alphabet before S?

Response Times in Memory Search

Temporal “Chunks” in ABM?

- List and Date Autobiographical Memories
  - Every Quarter, High School through College
- Judgments of Recency (Accuracy = 82.5%)
  - Random Pairs of Events
  - Between or Within Epochs
    - College/High School
    - School Quarter
    - Year
    - Freshman-Sophomore/Junior-Senior
    - School Year/Summer
Judgment Latency
Skowronski et al. (2007)

Expanded View of Temporal Epochs
Kihlstrom (2009)

- Individual, Not Universal
  - Reflections of Self-Concept
- Subjective, Not Objective
  - May Change with Time
    - Telescoping (Neter & Waksberg, 1964)
      - Recent Events Displaced Backwards
      - Remote Events Displaced Forwards
    - May Change with Alterations in Self-Concept

Autobiographical Memory

- Episodic Memory
  - Unique Spatiotemporal Location
- Self-Reference
  - Agent vs. Patient, Stimulus vs. Experiencer
  - Cognitive, Emotional, Motivational State
- "Aristotelian" Plot Structure
  - Chronological Sequence
    - Causal Organization of Episodes
    - Relevance to Character and "Life Style"

Causal Relations
in Autobiographical Memory
Kihlstrom (2009), after Aristotle (c. 335 BCE)

Plot in Aristotle’s Poetics

- Incentive Moments (Begins the Chain of Cause and Effect)
- Climaxes (Middle of the Causal Chain)
- Resolutions (End of the Causal Chain)
- Complications (Desis) Leading to the Catastrophe
- Catastrophes (Changes to Good or Bad Fortune)
- Unravelings (Lusis) After the Catastrophe
- Reversals of Intention (Peripeteia)
- Moments of Recognition (Anagnorisis)
- Catharsis (End of the Story)

Causal Relations
in Autobiographical Memory
Kihlstrom (2009), after Pillemer (1998, 2001)

Pillemer’s "Life Story"

- Originating Events Define a "Life Path"
- Turning Points Redirect a Life Path
- Anchoring Points Provide Foundations for Belief System
- Analogous Events Provide Models for How to Behave

Causal Explanations for
Traits, Behaviors
After Malle (2005)

**Reasons for Intentional Actions**

- Beliefs
- Desires

**Causes of Unintended Behaviors**

- Internal vs. External
- Stable vs. Unstable
- Global vs. Local

Causal History of Reasons
Unconscious Processes
Personality Factors
Socialization and Culture
Immediate Context

Enabling Factors
Skill
Opportunity
Removed Obstacles
Is the Self Just Another Person?

• Quantitative Differences in Representations
  – Size of Memory Structure
    • Amount of Information
    • Organization of Information
  – Emotional and Motivational Involvement
• Qualitative Differences
  – Direct Introspective Awareness
    • Knowledge, Expectations, Beliefs
    • Feelings, Values
    • Desires, Goals

Self as Object and Self as Subject
Allport (1961), p. 128

This puzzling problem arises when we ask, “Who is the I who knows the bodily me, who has an image of myself and sense of identity over time, who knows that I have propriate strivings?”

I know all these things and, what is more, I know that I know them.

But who is it who has this perspectival grasp...?

It is much easier to feel the self than to define the self.