



***Divergent* Economics in the Classroom**



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Economics as real life

- **Veronica Roth has no apparent training in economics or government**
- **Personal interests are rooted in practical human behavior**
 - **Social psychology**
 - individual identity
 - Group psychology
 - **Government policy**
- **The Divergent Series is applied economics**





But what kind of economics?

- **Behavioral economics**
 - How do people actually behave in the real world?
- **Choice theory**
 - Rational choice
 - Constraints—time, training
- **Institutional economics**
 - How do rules effect choices?
- **Public choice economics**
 - Applied behavioral & institutional economics





The Divergent world: an overview

- **Plague triggers world wide war among groups**
 - Self interest results in mob-war
 - Chicago is the last bastion of civilization
- **Social and economic system is based on group identities**
 - Faction membership to purge “bad” traits
- **Assigned to factions based on simulations**
 - 16 years old
 - Simulations administered under a serum



Factions

- **Abnegation**: public servants; run the government
 - Origin faction for Tris Prior
- **Amity**: Farmers and producers; peaceful & democratic
- **Erudite**: Intellectuals, innovators; knowledge seekers
- **Candor**: Lawyers, judges; honest & truthful
- **Dauntless**: enforcers; brave & fearless
- **Factionless**: Outcasts



Constitutional economics & the faction system

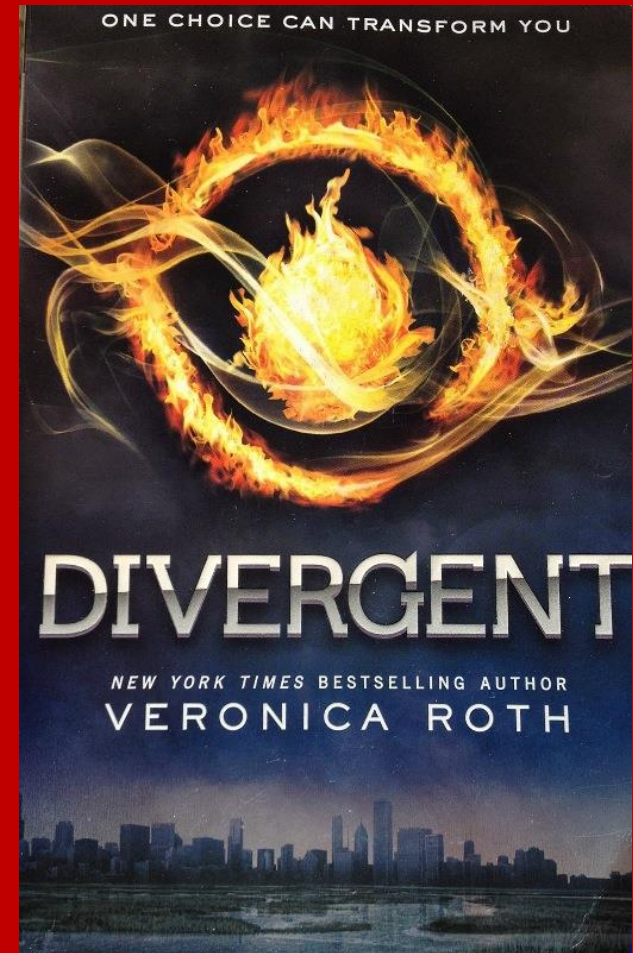
- **The rules of the game are well defined**
- **Individuals are constrained by the rules**
- **The plot is driven by individual choices faced by the constraints of the political system**
- **Strong cultural and social norms force individuals into their roles and to play by the rules**
 - **In book 1, Tris Prior acts completely within the constraints of the established system/Constitution**



Politics without romance

Book 1, *Divergent*

- Individuals are goal maximizers
- They pursue their own self interests
- Individuals are “imperfect”
- How do individuals maximize personal objectives under the current rules?
 - Erudite use technology (a serum) to exert control over the other factions
 - Mass execution of Abnegation

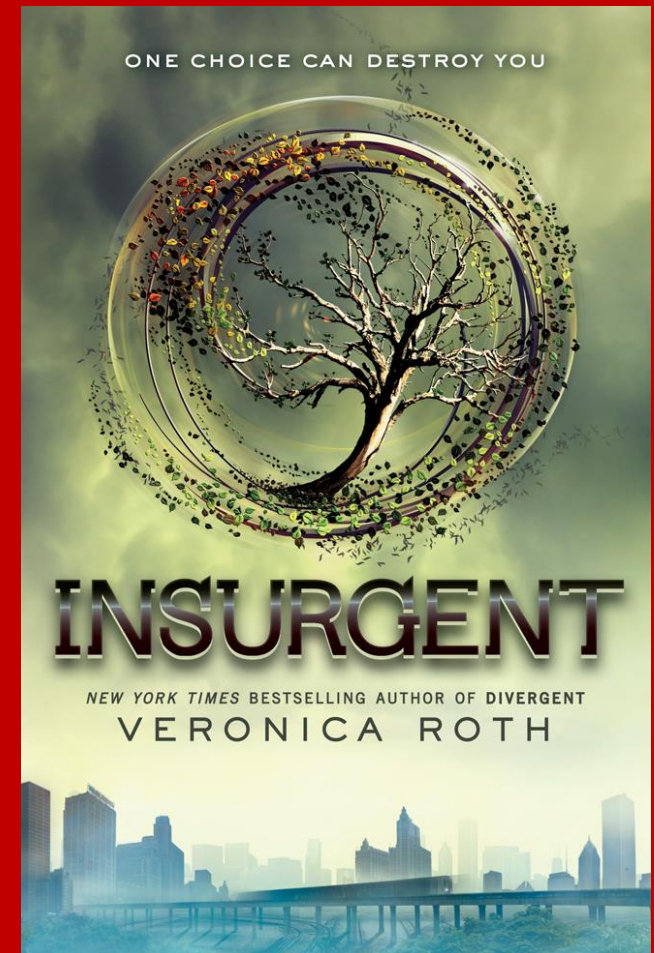




Regime uncertainty

Book 2, *Insurgent*

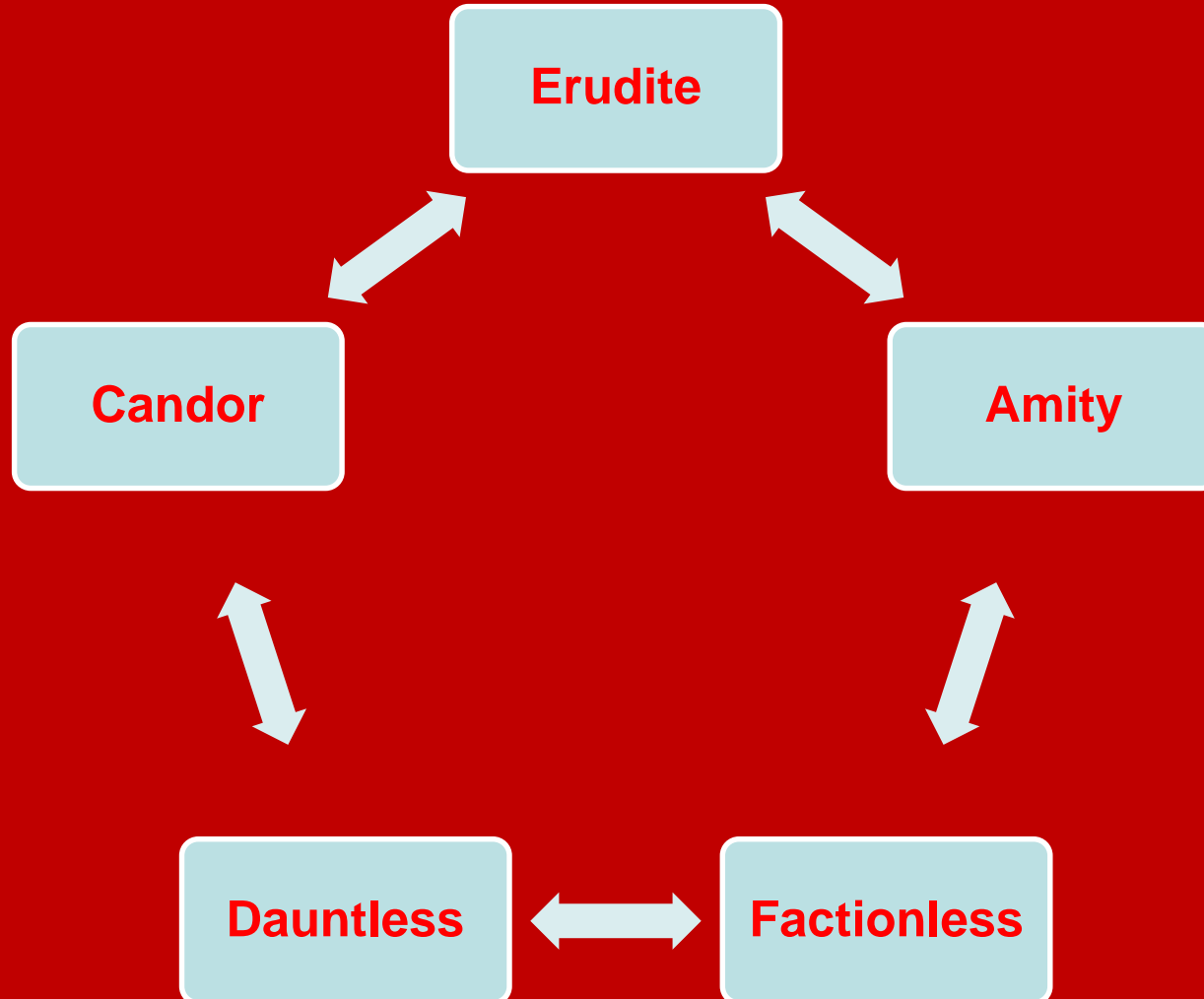
- **Erudite's (Jeanine) coalition**
 - Candor
 - Loyal dauntless
- **Opposition (insurgents)**
 - Traitor dauntless (Tris, Four)
 - Abnegation remnants
 - Factionless (Evelyn)
- **Amity stays out**





Political cycling

(Book 2, *Insurgent*)

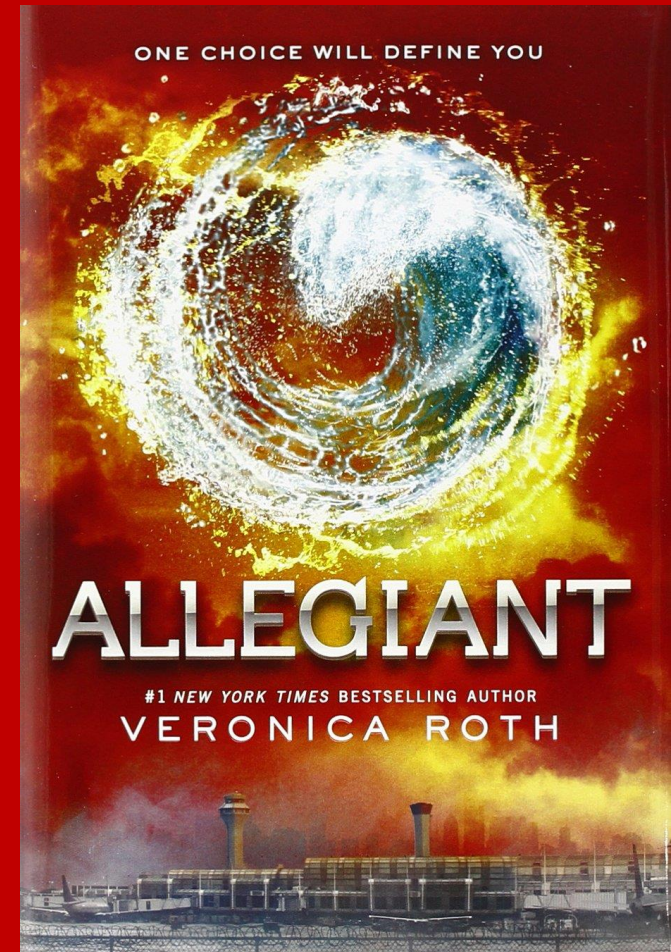




Principal-Agent

(Book 3, *Allegiant*)

- **Social engineering**
 - Bureau of Genetic Welfare
 - Experiments in several cities
 - Chicago is the last “hope”
- **BGW (principal) frustrated by individual initiative of their “agents”**
 - Jeanine
 - Evelyn
 - Tris’s mother
- **Destruction of the faction system**





Assignments for classroom discussion

- **Reflection papers on key terms and concepts**
 - Identify a scene that demonstrates the application of X
- **Longer papers that apply one or two concepts to character arcs and plot**
 - Examine how Tris's actions in Divergent reflect rational choice over the course of the novel
- **Scene/chapter deconstruction**
 - How does game theory help us understand the relationships and choices made by x and y in this scene?



A classroom exercise in public choice economics

- **Assign students to a faction**
 - They are not allowed to deviate from their faction's purpose/mission
 - Have them individually rank the relative power of the other factions
- **Working in a group, have the factions**
 - Identify what would make an "ideal" society
 - Rank each faction on their likelihood they would agree with their goal
- **Round I: Allow the primary factions 5 minutes to negotiate with their most closely aligned faction to join a coalition to rule the society**
 - Have students individually rank the relative influence/dominance of the factions
 - Discussion: What coalition appears to be dominant? Are factions unified, or divided on with whom to align? Does one faction seem to dominate the discussion?
- **Round II: Allow the Factionless to negotiate with their most closely aligned faction to join a coalition**
 - Have students individually rank the relative/influence of the factions
- **Round III: Allow 5 minutes for the factions to negotiate new alliances and coalitions**
 - Have students individually rank the relative influence/dominance of the factions



Classroom exercise: Discussion

- **What were the identified interests of the factions? Where these “rational” in an economic context?**
- **Did the faction (collective) interest(s) deviate from the individual interests?**
- **Were the choices by factions “rational” in the economic sense?**
- **What constraints (rules) limited their decisions?**
- **What were the opportunity costs of aligning with one faction versus another?**
- **To what extent were decisions made on the margin? Did they include “sunk costs”? What role did multiple rounds play in determining the outcome?**
- **How does “self interest” play in the stability of the coalitions or governing regimes?**
- **How did “trust” factor into the decision to align with one faction or another? What role did incentives play? Contract enforcement?**
- **How could the “rules of the game” change, and how might they result in different outcomes?**



Blending economic principles with relevant culture

- **Dystopian trilogy**
 - **Divergent (2011)**
 - **Insurgent (2012)**
 - **Allegiant (2013)**
- **Books sold 6.7 million copies 2013**
- **Films generated \$750 million worldwide**
- ***Divergent* was Roth's senior honors thesis at Northwestern**

