Intrinsically Motivated Processes (IMP)

Knowledge-based IMP
(No concept of goals)

- VIME
  (Houthooft et al., 2017)

- Count-Based
  (Bellemare et. al., 2016)

- RND
  (Burda et al., 2018)

- Disagreement
  (Pathak et al., 2019)

- RIDE
  (Raileanu & Rockstäschel, 2020)

Competence-Based IMP or Intriniscally Motivated Goal Exploration Processes (IMGEP)
(Goals are generated by the agent)

POP-IMGEP

- SAGG-RIAC
  (Baranes & Oudeyer, 2013)

- Map-Elites
  (Mouret & Clune 2015)

- Modular-IMGEP
  Forestier et. al, 2016

Goal-Conditioned RL Agents

Autotelic RL or RL-IMGEP

- RIG
  (Nair et al., 2018)

- CURIOUS
  (Colas et al., 2019)

- IMAGINE
  (Colas et al., 2020c)

RL-EMGEP
(Goals come from the env.)

- UVFA
  (Schaul et al., 2015)

- HER
  (Andychowiczet al., 2019)

- AGILE
  (Bahdanau et al., 2018)