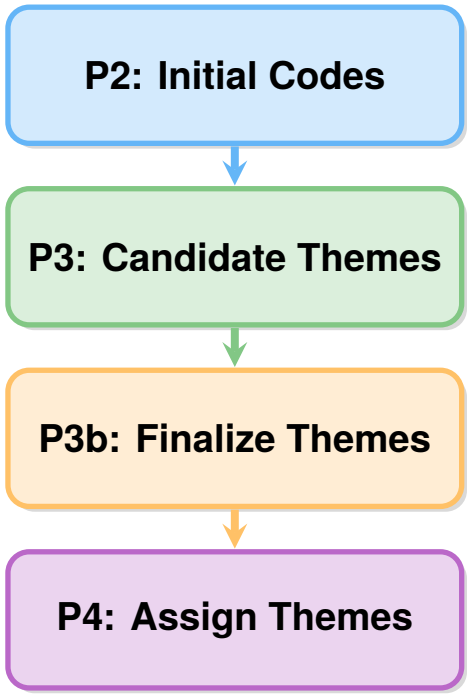
# Pipeline Phases

*Input:* `uploads/` *or* `data/` *JSON (id -> case)*




*Output: Dataset with* `initial_code_0`, `candidate_theme`, `theme`

**Input**: `plny_skutek_short`
**Writes**: `initial_code_0` → `uploads/<file>.json`
**UI**: POST `/script/execute`; GET `/script/status`; POST `/script/stop`
**Py**: `analysis_p2.py` **WS**: progress, phase, output

**Input**: `initial_code_0`
**Writes**: `candidate_theme`
**UI**: POST `/p3/execute`; GET `/p3/status`
GET `/data/:file/themes`; PUT `/data/:file/case/:id/update-theme`
**Py**: `analysis_p3.py` **WS**: p3Progress, p3Phase

**Input**: set of `candidate_themes`
**Output**: consolidated set; optional per-case `theme`
**Trigger**: auto after P3
**Py**: `analysis_p3b.py` **WS**: p3b_output, p3b_finished/failed

**Input**: `candidate_theme`/final themes
**Writes**: per-case `theme`
**API**: POST `/p4/execute`; GET `/p4/status`; POST `/p4/stop`
**Py**: `analysis_p4.py` **WS**: p4_output, p4_finished/failed