



# Applying DEA to Employee Succession Planning

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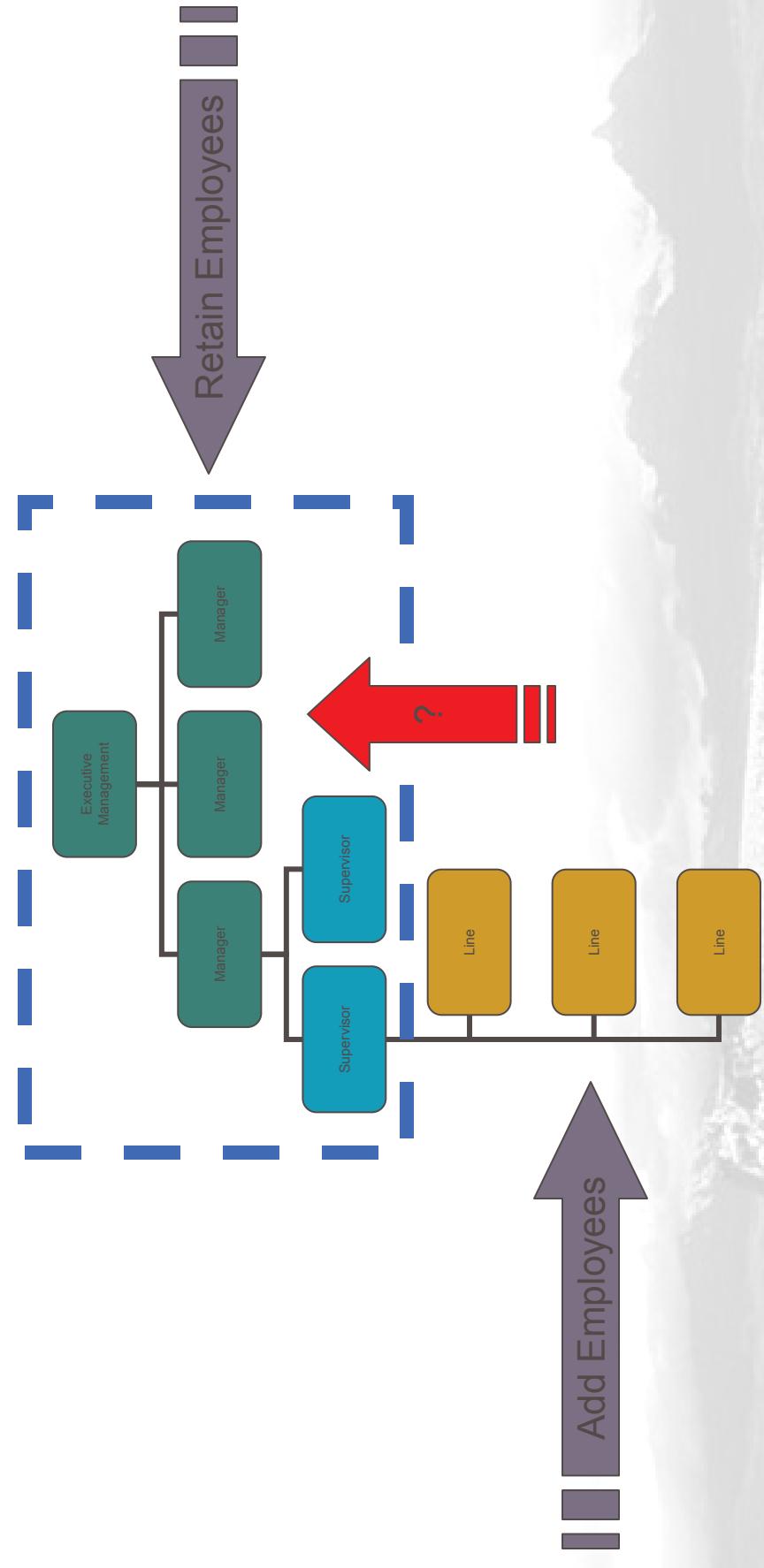


# Overview

- Employee Succession Planning [ESP]
- DEA Exploratory Usage
- Impact on ESP
- Limitations and Lessons Learned
- Further Explorations

# Employee Succession Planning [ESP]

## ■ People As Competitive Advantage



# Employee Succession Planning [ESP]

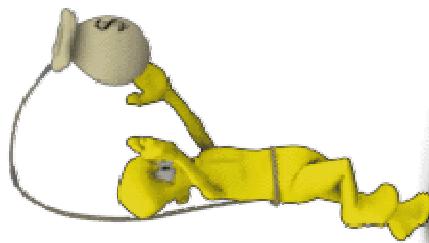


- How do we identify supervisor potentials?
- No prior experience supervising
- “Best Practices” are the “Practices of the Best”

# DEA Exploratory Usage

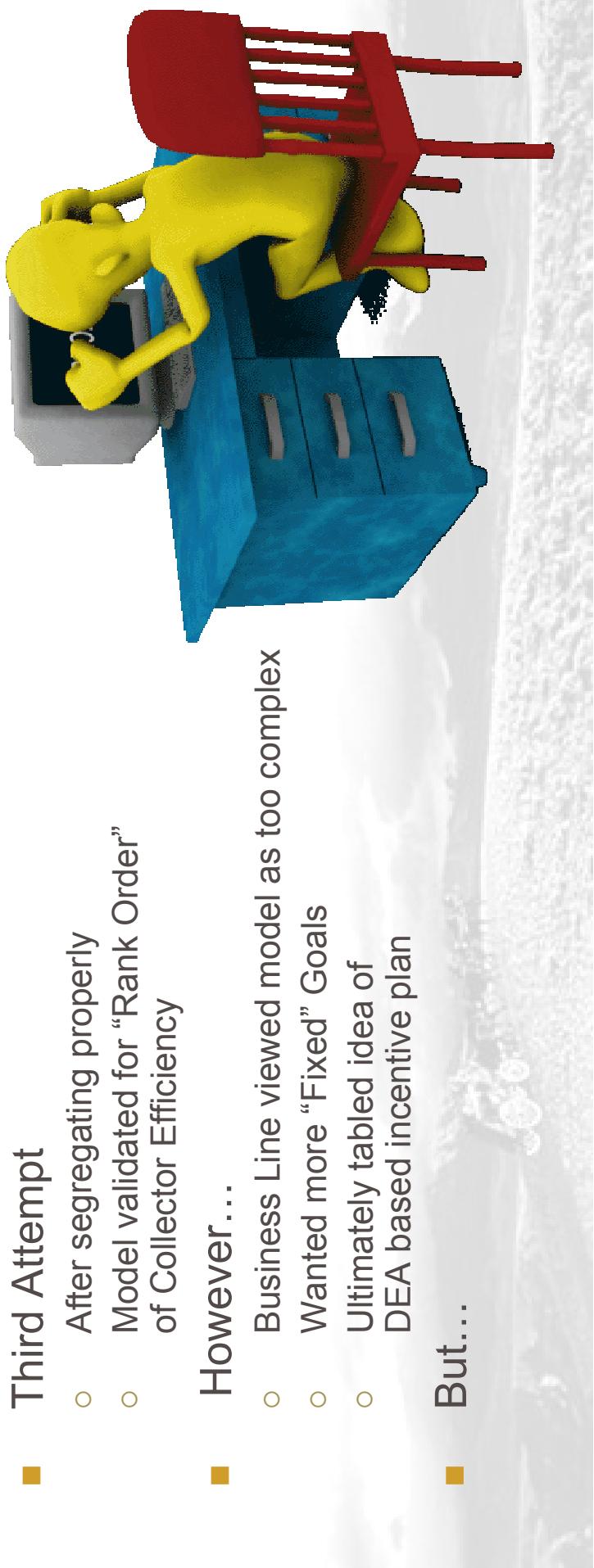
## ■ Model an Employee Incentive Plan

- BCC Model [VRS]
- Output Orientated
- Inputs
  - Hours Worked
  - Number of Dials
- Outputs
  - Right Party Connects
  - Promise To Pay %
  - Promise Kept %
  - Total Dollars Collected
- Help “Goal Set”



# DEA Exploratory Usage

- **First Attempt**
  - Even in BCC Model, one DMU consistently an “Active Member”
  - DMU was a specialist handling “Deceased Accounts”
- **Second Attempt**
  - Removing the specialist
  - All efficient DMU's were member of one group.
  - Business Line failed to initially grasp concept of “peer comparison”
- **Third Attempt**
  - After segregating properly
  - Model validated for “Rank Order” of Collector Efficiency
- **However...**
  - Business Line viewed model as too complex
  - Wanted more “Fixed” Goals
  - Ultimately tabled idea of DEA based incentive plan
- **But...**



## Impact on ESP

- Some active members showed up significantly more than others in output
- One manager indicated that most of the active members were being evaluated for supervisory positions
- **Key Finding :**
  - Suggested that other managers investigate the active members with the highest occurrence frequency as potential supervisor candidates

# Impact on ESP

## ■ Results:

- Business lines that pre-identified supervisor candidates from high frequency active members have had 100% success rate with transitioning line workers to supervisory positions
- Business lines that did not have struggled to transition. Mostly due to “lone wolf syndrome”: high performer, unwilling to share best practices
- High Frequency active members tend to be “role models” that others are already attempting to emulate.



# Limitations and Lessons Learned

- Employee Performance Analysis
  - Remove Specialists
    - Homogenous job functions, with heterogeneity in job performance
  - True Peer Grouping?
    - Can provide evidence for difference of job function even under job title equivalence
- DEA introduction to non-technical management
  - Analogies work wonders
    - Need for realignment of incentive away from “Fixed Goal Achievement” to “Best Practice Achievement”
- Supervisor Potential ≠ Supervisor Success
  - Analysis only identifies “Most Used Benchmarks”
    - In light of problem domain, better than nothing.

# Further Explorations



## ■ Most Productive Scale Size

- Are high frequency active members also members of the MPSS definition set?

## ■ Super-Efficiency

- Discriminating between the active members with identical frequency of occurrence

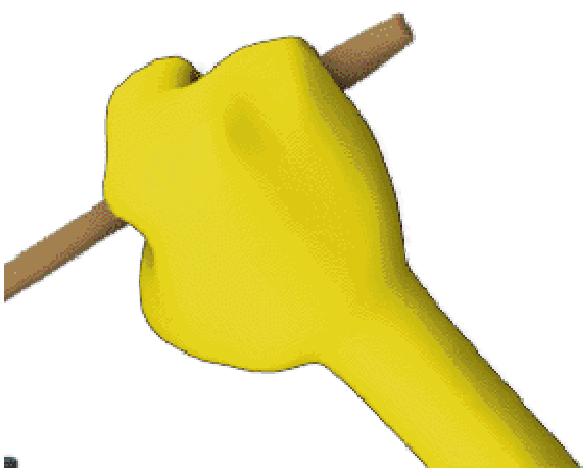
## ■ Continuing Analysis

- Variables are historically tied to output production
- Identification of new variables tied closer to supervisory capability

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# Questions?





# Questions?