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Consistent weight restrictions in data envelopment analysis

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Highlights

- We introduce the notions of consistent and inconsistent weight restrictions.
- Inconsistent weight restrictions induce free production in the model of technology.
- Inconsistent weight restrictions may cause the infeasibility of multiplier models.
- The inconsistency of weight restrictions may not be apparent from computations.
- We develop conditions for verifying the consistency of weight restrictions.

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